WIND FOREST ECOTECH

OXY PHARM®

AUTOMATED
SURFACE BIO-DISINFECTION

NOCO TECH®

MADE IN FRANCE - FABRIQUÉ EN FRANCE

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我 們 的 服 務

Our Service

全面的消毒計劃，根據您的要求，提供以下服務：

消毒 殺蟲 除味

抽樣和測試空間細菌濃度
分析環境的衛生情況，制定合適的服務方案

Oxy'pharm 采用一種對生態負責的方法 AWD(Air-way disinfection) 來為大家提供消毒，殺蟲和除味。Nocotech 是通過空氣進行表面自動生物消毒的技術。

Oxy'pharm 成立於 2003 年，目前已經使用於 50 多個國家。正如許多研究証明的那樣，這些研究是由消毒領域的著名專業人員及獨立、confrac 認可的專業人員進行的。我們使用符合 AFNOR NF T 72281 效率標準（2014 年 11 月），適用於空氣霧化進行的消毒過程，這是在法國的強制性、標準。此外，我們的概念已在《Bio Cide 指令》的歐洲一級（通過 ECHA — 歐洲化學品管理局注冊）並在歐洲級別（在 HCHA –– 歐洲化學品管理局注冊）,100% 法國制造商。

Oxy'pharm 未來幾年的目標是覆蓋所有主要關注消毒領域。

消 毒 過 程

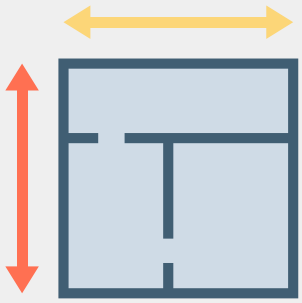
Step 1　分 析 環 境

分析環境（餐廳、學校、酒店等 ...）
選用藥水類型（消毒、殺蟲、除味）

Step 2　衛 生 狀 況

使用 Nocobox 48 小時後可觀察細菌面積生長

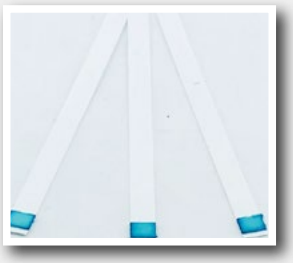
Step 3　測 量 面 積



Step 4　ATP tester

消 毒 過 程

Step 5 Noco test sticks



擺放四個角落可以從試紙知道霧化消毒是否全面覆蓋

Step 6 Nocospray 開機

以每 3min/50m^3 的速度開始進行霧化消毒

⚠進行期間不可進入

Step 7 靜待 45 分鐘

待霧化全面覆蓋表面

Step 8 Noco Test Result

Noco Test Result & 再測試 ATP 值
（消毒後的細菌值）

Step 9 完成

全天然生物降解，log 6 滅菌值達到 99.9999% 消毒滅菌

Before

After

Nocotech

Nocospray

通過乾噴消毒表面的自動化概念。Nocospray 與可生物降解的消毒劑（Nocolyse，Nocolyse one shot，Nocolyse Food）結合使用。

Nocospray 依靠加熱和離子化渦輪來噴灑轉化為乾霧的消毒劑，在這種不濕的霧中，粒子直徑（平均 5μ）可確保在經過處理的空間每平方厘米無濕度的情況下完全均勻地沉澱。

Oxy’ phram 的所有消毒產品均可生物降解，不留任何殘餘物，不過敏，對所有表面（包括電子表面）無腐蝕性而且對環境無害。其中 Nocolyse Food 完全達到 Food Grade 的標準。

- Nocolyse（ Neutral ｜ Mint ｜ Nocodor ）無味｜薄荷｜除臭
- Nocolyse one shot 強力消毒
- Nocolyse Food 食用級別

OxyPharm 提出的醫療整體滅菌概念已經漸漸的為歐盟國家所接受，其特有的乾霧系統，可以將醫院的空間和物表消毒統一完成，同時也更新了 OxyPharm 對目前醫院消毒的最新觀點：交叉感染的預防，ICU 病房專控，迅速完成消毒流程，消毒無後遺症。

3D 空間空氣消毒機

醫療級消毒 (Log 6 強消毒力 99.9999%)
通過多項歐盟及法國 NF 國際認證

- 快速消毒滅菌 不腐蝕 無殘留
- 操作容易 無須特別前準備或包覆儀器作業
- 環境友善 消毒後產物 (H2O) 人體動物無害

成本效益

消毒劑

Nocolyse

NOCOLYSE

/ 6% 的過氧化氫和銀離子 *

/ 對病毒、細菌、酵母、孢子和真菌有效

/ 99.9999% 生物降解，無毒，無腐蝕性，無過敏性，無殘留， 不產生細菌耐藥性。

三款氣味可選（無味 Neutral ｜ 薄荷 Mint ｜ 除臭 Nocodor）

NOCOLYSE ONE SHOT 強力消毒

/ 12% 過氧化氫和銀離子 *

/ 對病毒、細菌、酵母、孢子和真菌有效

/ 99.9999% 可生物降解，無毒，無腐蝕性，無過敏性，無殘留，不產生細菌耐藥性。

* 銀離子有助於穩定和保存過氧化氫。

NOCOLYSE FOOD

/ 7.9% 過氧化氫，不含銀離子

/ 病毒、細菌、酵母、孢子和真菌有效

/ 99.9999% 生物降解，無毒，無腐　蝕性，無過敏性，無殘留， 不產生細菌耐藥性。

/ 食用級別

可生物降解　無腐蝕性　無毒　無殘留

- **NOCOLYSE®** is a BIO-disinfectant for surfaces.
- **NOCOLYSE®** is a product based on hydrogen peroxide (6%), ready for-use, conceived to be used exclusively with the diffusion appliances of the **NOCOTECH®** range.
- The association **NOCOLYSE®** / **NOCOSPRAY®** (or **NOCOMAX®**) is effective on all types of microorganisms : it enables surface disinfection treatments with a bactericidal, fungicidal, virucidal, yeasticidal, tuberculocidal and sporicidal efficiency.
- **NOCOLYSE®** is available in 3 versions: neutral fragrance, mint fragrance or Nocodor fragrance (mix of essential oils destroying smells).

REFERENCES AND PACKAGING

Neutral

Reference	Packaging
4000.001	1 Litre
4000.001-6	Box of 6 x 1 Litre
4000.005	5 Litre Canister
4000.020	20 Litre Canister

Mint

Reference	Packaging
4001.001	1 Litre
4001.001-6	Box of 6 x 1 Litre
4001.005	5 Litre Canister
4001.020	20 Litre Canister

Nocodor

Reference	Packaging
4030.001	1 Litre
4030.001-6	Box of 6 x 1 Litre
4030.005	5 Litre Canister
4030.020	20 Litre Canister

COMPOSITION

Stabilized hydrogen peroxide in solution 6% (60ml/l) • EC=231-765-0 / CAS=7722-84-1.
Silver 17 ppm • EC=231-131-3 / CAS=7440-22-4.

STORAGE

- Store the product in the original packaging, vertically and in a cool and well ventilated place.
- Shelf-life : In the closed original packaging : 2 years from manufacturing date.
  Once opened : 2 months from opening date.

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94500 Champigny-sur-Marne
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www.oxypharm.net

FABRIQUE EN FRANCE - MADE IN FRANCE

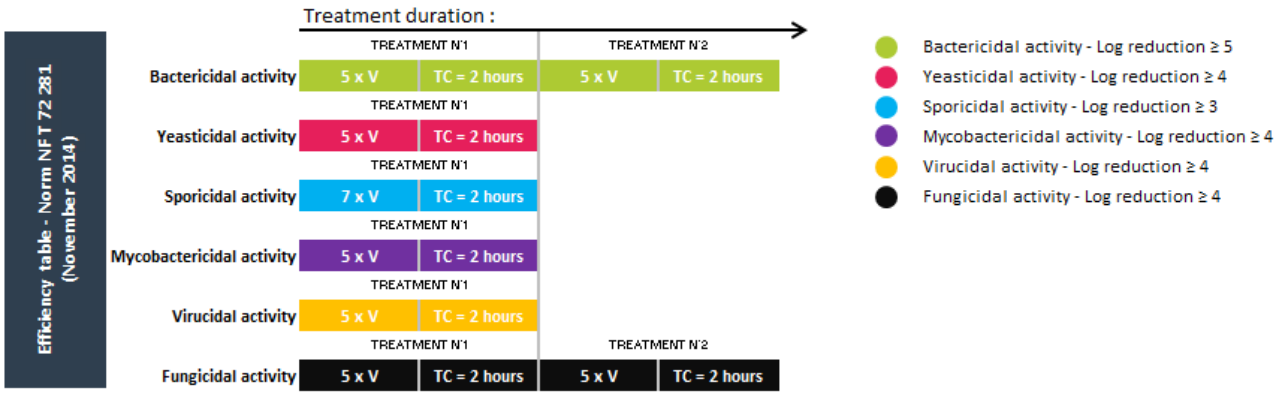
PRECAUTION FOR USE

- Refer to the material safety data sheet, available on request by email: commercial@oxypharm.net.

INSTRUCTIONS FOR USE

Protocol for curative use

a. Follow the instructions for use of the diffusion appliance of the range NOCOTECH® (cf. user's manual and quickstart document).
b. Attach the 1L bottle to the diffusion appliance NOCOSPRAY® or the 20L tank on the diffusion appliance NOCOMAX®.
c. On the device, set the volume (V) of the room to be treated according to the required treatment (cf. below efficiency table).
   As an example : « 3 x V » means « 3 times the volume of the room to be treated ».
   A 20m² room with a height of approximately 2,50m will have a volume of 20 x 2,50m = 50m^3.
   The device will have to be set on 3 x 50 = 150m^3.
d. After the end of diffusion, respect a dwell time as indicated in the below efficiency table (CT).
e. Make a second treatment if necessary (cf. below efficiency table).



IMPORTANT:

- During diffusion time and dwell time, leave the room closed and do not enter. The treatment must be conducted with no human presence inside the room.
- To achieve the highest quality disinfection a stringent cleaning process should be carried out prior to treatment.
- **Protocols indicated in the above efficiency table are conform to results obtained in laboratory tests conducted according to NF T 72 281 norm (November 2014).** Every user can however define and validate a protocol according to his/her own efficiency requirements.
- Log reductions shown in the above table are a minimum achieved as set by the norm protocol.
  Higher reductions are achievable – up to Log 6 reductions.

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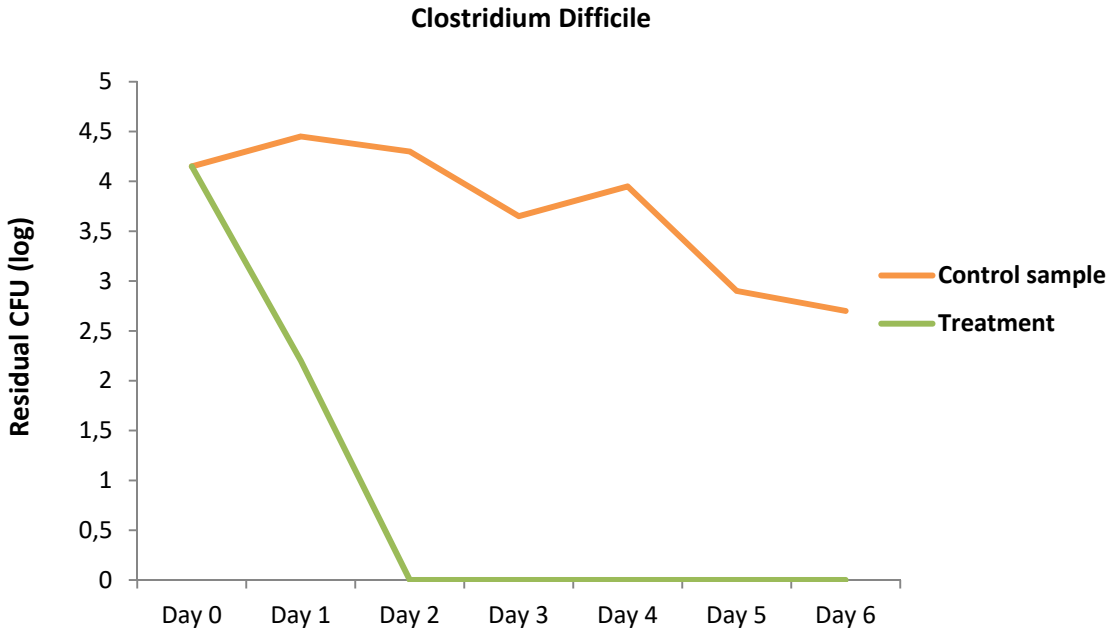
Protocol for preventive use

a. Follow the instructions for use of the diffusion appliance of the range NOCOTECH® (cf. user's manual and quickstart document).
b. Attach the 1L bottle to the diffusion appliance NOCOSPRAY® or the 20L tank on the diffusion appliance NOCOMAX®.
c. On the device, set the volume (V) of the room to be treated.
As an example: a 20m² room with a height of approximately 2,50m will have a volume of 20 x 2,50m = 50m^3.
The device will have to be set on 50m^3.
d. After the end of diffusion, respect a dwell time of 30 minutes minimum.
e. The treatment has to be repeated every day (cf. below chart demonstrating the concept efficiency according to a daily treatment at 1 ml/m^3 on a Clostridium Difficile strain – study made in laboratory).



IMPORTANT:

- During diffusion time and dwell time, leave the room closed and do not enter. The treatment must be conducted with no human presence inside the room.
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SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

1.1. Product identifier

Product name: **NOCOLYSE NEUTRAL**

1.2. Relevant identified uses of the substance or mixture and uses advised against

Surface disinfectant (biocide PT2) – professional use.

Ready-to-use solution, used as bactericidal, fungicidal, virucidal, yeasticidal, tuberculocidal and sporicidal disinfectant. For use with devices conform to the Oxy'Pharm concept.

Use descriptor system (REACH):

SU20 (Health services)
SU22 (Professional uses)

1.3. Details of the supplier of the safety data sheet

Registered company name:	OXY'PHARM
Address:	829 Rue Marcel Paul, 94500 Champigny sur Marne, FRANCE.
Phone:	+33.1.45.18.78.70
E-mail :	commercial@oxypharm.net
http://www.oxypharm.net/	

1.4. Emergency telephone number:

Country	Emergency telephone number	Website
UK - England, Wales	111	http://www.nhs.uk/
UK - Scotland	111	http://www.nhs24.com/
UK - Northern Ireland	18000 or 999	http://www.gpoutofhours.hscni.net/
Ireland	01 809 2166	http://www.poisons.ie/

Other emergency numbers

In case of emergency, call nearest poison center or 112.

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In compliance with Regulation (EC) No.1272/2008 and its amendments.

Eye irritation, Category 2 (Eye Irrit. 2, H319).

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements

In compliance with Regulation (EC) No.1272/2008 and its amendments.

Hazard pictograms:	
Signal Word:	Warning
Hazard statements:	
H319	Causes serious eye irritation.
Precautionary statements:	
P264	Wash hands thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice/attention.
Additional labelling:	None

2.3. Other hazards

The mixture does not contain any substances classified as 'Substances of Very High Concern' (SVHC) as defined by criteria of article 57 of REACH (Regulation EC No.1907/2006) at concentration ≥ 0.1% - list published by the European CHemicals Agency (ECHA) as per article 59 of REACH: (http://echa.europa.eu/fr/candidate-list-table).

The mixture does not contain any PBT or vPvB substances as defined in annex XIII of the REACH Regulation (EC) No.1907/2006.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable (mixture).

3.2. Mixtures

Composition:

INDEX	CAS No.	CE No.	Name	Pictogram	Classification	% w/w/
008-003-00-9	7722-84-1	231-765-0	Hydrogen peroxide*/**	SGH03 SGH05 SGH07 Danger	H271 H302 H314 H332	6
-	7440-22-4	231-131-3	Silver*	-	Not classified	x < 0.005

* Substance for which a workplace exposure limit exists.

** Specific limits: H271: C ≥ 70 %
H272: 50 % ≤ C < 70 %
H314 (1A): C ≥ 70 %
H314 (1B): 50 % ≤ C < 70 %
H315: 35 % ≤ C < 50 %
H318: 8 % ≤ C < 50 %
H319: 5 % ≤ C < 8 %
H335: C ≥ 35 %

Other data:

No data available.

SECTION 4: FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing if the victim is unconscious.

4.1. Description of first aid measures

In the event of exposure by inhalation:

In case of discomfort, remove the exposed person to fresh air. Keep warm and at rest. Consult a doctor if symptoms appear.

In the event of splashes or contact with eyes:

Wash thoroughly with soft, clean water holding the eyelids open. Consult an ophthalmologist.in case of pain, redness or visual impairment.

In the event of splashes or contact with skin:

Remove any soiled or splashed clothing immediately. Wash skin with soap and water.

In the event of swallowing:

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.
Keep the exposed person at rest. Do not induce vomiting. Consult a doctor showing the label.

4.2. Most important symptoms and effects, both acute and delayed

No data available for the product.

Information for hydrogen peroxide 50% (CAS No.7722-84-1) are reported below:

Effect on the skin:

Causes caustic burns. With increasing contact length, local erythema or extreme irritation (whitening) up to blistering (caustic burn) can occur.

Effect on the eyes:

Extreme irritation up to cauterisation. Can cause severe conjunctivitis, cornea damage or irreversible eye damage. Symptoms may occur with delay.

Effect when swallowed:

Swallowing can lead to bleeding of the mucosa in the mouth, oesophagus and stomach.

The rapid releasing of oxygen can cause distension and bleeding of the mucosa in the stomach and lead to severe damage of the internal organs, especially in the event of greater intake of the product.

Effect when inhaled:

Inhalation of vapour/aerosols can lead to irritation of the respiratory tract and cause inflammation of the respiratory tract and pulmonary oedema. Symptoms may occur with delay.

4.3. Indication of any immediate medical attention and special treatment needed

Specific and immediate treatment:

No data available.

Information for the doctor:

No data available.

SECTION 5: FIREFIGHTING MEASURES

Contains 6% of hydrogen peroxide (oxidising substance).

5.1. Extinguishing media

Suitable methods of extinction

In the event of a fire, use:
- sprayed water or water mist
- foam
- multipurpose ABC powder / BC powder
- carbon dioxide (CO_2)

Unsuitable methods of extinction

In the event of a fire, do not use:
- water jet

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed:
- oxygen (O_2)
- carbon monoxide (CO)
- carbon dioxide (CO_2)

5.3. Advice for firefighters

No data available.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult safety advice of sections 7 and 8.

For non first aid worker

Avoid any contact with the eyes.

In case of accidental release of large quantities, evacuate staff and allow access only to trained operators equipped with self-contained breathing apparatus.

Ensure adequate ventilation.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Clean preferably with detergent, avoid the use of solvents.

6.4. Reference to other sections

Refer to sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Ensure adequate ventilation, especially in confined areas.

Fire prevention:

Handle in well-ventilated areas.

Prevent access by unauthorised personnel.

Recommended equipment and procedures:

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Avoid any contact with the eyes.

Packages which have been opened must be reclosed carefully and stored in an upright position.

Prohibited equipment and procedures:

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

Storage/Packaging

Keep in original container tightly closed in a dry, well-ventilated area at ambient temperature between 5° and 30°C.

Keep away from food, drink and animal feeding stuffs.

7.3. Specific end use(s)

No data available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits:

CAS No.	CE No.	Name	Country	Occupational exposure limits	Source
7722-84-1	231-765-0	Hydrogen peroxide	UK	Limit value (8h) = 1 ppm - 1.4 mg/m^3 Limit value (short term) = 2 ppm – 2.8 mg/m^3	GESTIS ILV
			Ireland	Limit value (8h) = 1 ppm - 1.5 mg/m^3 Limit value (short term) = 2* ppm – 3* mg/m^3 *15 minutes reference period	GESTIS ILV
7440-22-4	231-131-3	Silver	EU	Limit value (8h) = 0.1 mg/m^3	2000/39/CE
			UK	Limit value (8h) = 0.1 mg/m^3	GESTIS ILV

Biological limits:

No data available.

Derived no effect level (DNEL) or derived minimum effect level (DMEL):

Hydrogen peroxide (CAS No.7722-84-1):

Worker:

Inhalation / acute toxicity – local effects: 3 mg/m^3

Inhalation / long term toxicity– local effects: 1.4 mg/m^3

Consumer:

Inhalation / acute toxicity – local effects: 1.93 mg/m^3

Inhalation / long term toxicity– local effects: 0.21 mg/m^3

Predicted no effect concentration (PNEC):

Hydrogen peroxide (CAS No.7722-84-1) :

Fresh water:	0,0126 mg/L
Marine water:	0,0126 mg/L
Water – intermittent releases:	0,0138 mg/L
Sewage treatment plant:	4,66 mg/L
Fresh water sediment:	0,47 mg/kg (dry weight)
Marine sediment:	0,47 mg/kg (dry weight)
Soil:	0,0023 mg/kg (dry weight)

8.2. Exposure controls

Suitable technical inspections:

Ensure adequate ventilation, especially in confined areas.

Personal protection measures, such as personal protective equipment

No specific personal protective equipment is considered necessary for the final use of this product.

In case personal protective equipment are used (manufacturing):

- use personal protective equipment that is clean and has been properly maintained.
- Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using.

Ensure adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Before handling large quantities, wear safety goggles with protective sides accordance with standard EN166.

- Hand protection

Use suitable protective gloves in accordance with standard EN374 in case of repeated or prolonged exposure.

- Body protection

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

- Respiratory protection

Ensure adequate ventilation, especially in confined areas.

- Thermal risks

Not applicable.

Exposure controls linked to environmental protection

No data available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information:

Physical state:	Liquid (fluid)
Odour:	No characteristic odour
Colour:	Colorless

Important health, safety and environmental information

pH (mixture):	3.5 ± 0.5 (CIPAC MT 75.3)
pH (1% dilution):	6 ± 1 (CIPAC MT 75.3)
Melting point/melting range:	Not determined
Freezing point:	Not determined
Boiling point/boiling range:	Not determined
Flash point:	Boiling above 110°C without flashing (A.9)
Evaporation rate:	Not determined
Flammability:	Not determined
Lower/upper flammability limits:	Not determined
Lower/upper explosive limits:	Not determined
Vapour pressure:	Not determined
Vapour density:	Not determined
Density:	D^{20}_4 = 1.020 – volumetric mass = 1.019 kg/L (OECD No.109)
Solubility:	Not determined
Octanol/water partition coefficient:	Not determined
Self-ignition temperature:	Not determined
Decomposition point:	Not determined
Viscosity:	0.75 mm²/s at 20°C - 0.51 mm²/s at 40°C (OECD No.114)
Explosive properties:	Not determined
Oxidising properties:	Not determined

9.2. Other information

Surface tension (mixture):	33.2 mN/m (OECD No.115)

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide, carbon dioxide fumes, nitrogen oxides.
Hydrogen peroxide (6% in product) is an oxidizing and reactive substance. The commercial product is stabilized to reduce the risk of decomposition.
Risk of decomposition to heat.
Risk of exothermic decomposition and formation of oxygen in case of contact with incompatible or combustible substances.
Mixing with organic substances (solvents) can induce explosive properties.

10.4. Conditions to avoid

Avoid:
- direct sunlight, high temperatures.

10.5. Incompatible materials

Avoid contact with:
- metals, metal salts, acids, bases, reducing agents, flammable substances, organic solvents.

10.6. Hazardous decomposition products

The thermal decomposition may release/form

- oxygen (O_2)
- carbon monoxide (CO)
- carbon dioxide (CO_2)

SECTION 11: TOXICOLOGICAL INFORMATION

Splashes in the eyes may cause irritation and reversible damage

11.1. Information on toxicological effects

11.1.1. Substances

Not applicable (mixture).

11.1.2. Mixture

No toxicological data available for the mixture.

The product is classified as eye irritant (Eye irritation, Category 2 (Eye Irrit. 2, H319), classification by conventional calculation method).

Acute toxicity:

The product is not classified (conventional method by calculation).

Hydrogen peroxide 50% (CAS No.7722-84-1):

Oral, rat: LD_{50} > 225 mg/kg (OECD No.401)

Inhalation, rat: LC_{50} > 0.17 mg/L (4h) – no mortality (US EPA)

Hydrogen peroxide 70% (CAS No.7722-84-1):

Dermal, rabbit: LD_{50} > 6 500 mg/kg

Hydrogen peroxide 35% (CAS No.7722-84-1):

Dermal, rabbit: LD_{50} > 2 000 mg/kg (US EPA)

Skin corrosion/skin irritation:

The product is not classified (conventional method by calculation).

Hydrogen peroxide (CAS No.7722-84-1):

H314 (1A): C ≥ 70 %

H314 (1B): 50 % ≤ C < 70 %

H315: 35 % ≤ C < 50 %

Serious damage to eyes/eye irritation:

The product is classified as eye irritant (Eye irritation, Category 2 (Eye Irrit. 2, H319), classification by conventional calculation method).

Hydrogen peroxide (CAS No.7722-84-1):

H318: 8 % ≤ C < 50 %

H319: 5 % ≤ C < 8 %

Respiratory or skin sensitisation:

The product does not contain any substance classified as sensitising.

Germ cell mutagenicity:

No data available for the mixture, however no hazard is expected with regard to its components.

Hydrogen peroxide (CAS No.7722-84-1):

Genotoxicity *in vitro*:

Bacterial reverse mutation assay *S. typhimurium / E. coli*: positive and negative with or without metabolic activation

Chromosomal aberration mammalian cells: positive without metabolic activation (OECD No.473)

Genetic mutation in mammal cells: positive without metabolic activation (OECD No.476)

Hydrogen peroxide 35% (CAS No.7722-84-1):

Genotoxicity *in vivo*:

Micronucleus test Mouse intraperitoneal: negative (OECD No.474)

Carcinogenicity:

No data available for the mixture, however no hazard is expected with regard to its components.

Reproductive toxicant:

No data available for the mixture, however no hazard is expected with regard to its components.

Specific target organ systemic toxicity - single exposure:

The product is not classified (conventional method by calculation).

Hydrogen peroxide (CAS No.7722-84-1):

H335; C ≥ 35 %

Specific target organ systemic toxicity - repeated exposure:

The product does not contain any substance classified for this hazard.

Hydrogen peroxide 35% (CAS No.7722-84-1):

Oral, mouse, 90 days: NOEL = 37 mg/kg (female) – 26 mg/kg (male) (OECD No.408)

Changes of parameters of the blood, body weight development negative, irritative effect (gastrointestinal tract)

Aspiration hazard:

The product does not contain any substance classified for this hazard.

Symptoms related to the physical, chemical and toxicological characteristics

No data available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

No data available.

Interactive effects

No data available.

Absence of specific data

No data available.

Other information

No data available.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Substances

Not applicable (mixture).

12.1.2. Mixture

No aquatic toxicity information is available for the mixture.

This mixture is not classified as hazardous for the environment (classification by calculation).

No environmental damage is known or foreseeable under normal conditions of use.

Hydrogen peroxide (CAS No.7722-84-1):

Acute toxicity:

Fish: semi-static test, *Pimephales promelas:*	LC_{50} = 16,4 mg/L (96 h)
Invertebrates: semi-static test, *Daphnia pulex:*	EC_{50} = 2,4 mg/L (48 h)
Algae: static test, *Skeletonema costatum:*	NOEC = 0,63 mg/L (72 h) – growth rate
Bacteria: activated sludge test:	EC_{50} = 466 mg/L (30 min); > 1000 mg/L (3 h) (OECD No.209)

Chronic toxicity:

Invertebrates: flow-through, *Daphnia magna*:	NOEC = 0,63 mg/L (21 days)

12.2. Persistence and degradability

No data available for the mixture.

Hydrogen peroxide (CAS No.7722-84-1): readily degradable.

12.3. Bioaccumulative potential

No data available for the mixture.

Hydrogen peroxide (CAS No.7722-84-1): no bioaccumulative potential (rapid decomposition into oxygen and water).

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

The mixture does not contain any PBT nor vPvB substance.

12.6. Other adverse effects

No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC, Decision 2014/955/EU and Directive (EU) 2015/1127.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste:

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:

Completely empty container. Keep label(s) on container. Give to a certified disposal contractor.

SECTION 14: TRANSPORT INFORMATION

Exempt from transport classification and labelling.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Classification and labelling information included in section 2:

The following regulations have been used:

- Regulation EC No.1272/2008 and its modifications

Biocidal regulation (EU) No. 528/2012

Surface disinfectant (biocide PT2) – professional use.

Hydrogene peroxide , CAS No.7722-84-1 : 6%

Container information:

No data available.

Particular provisions:

No data available.

15.2. Chemical safety assessment

No data available.

SECTION 16: OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Wording of the phrases mentioned in section 3:

H271	May cause fire or explosion; strong oxidiser.
H272	May intensify fire; oxidiser.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.

Abbreviations:

PBT: Persistent, bioaccumulable and toxic.

vPvB: Very persistent, very bioaccumulable.

SVHC: Substances of very high concern.

Revision:

A vertical line in the left margin indicates a change to the previous version.
This version replaces all previous versions.

Changes from version No.1 to version No.2:
addition of physico-chemical results in section 9, change of logo and other minor corrections (format, wording).

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

1.1. Product identifier

Product name: **NOCOLYSE MINT**

1.2. Relevant identified uses of the substance or mixture and uses advised against

Surface disinfectant (biocide PT2) – professional use.
Ready-to-use solution, used as bactericidal, fungicidal, virucidal, yeasticidal, tuberculocidal and sporicidal disinfectant. For use with devices conform to the Oxy'Pharm concept

Use descriptor system (REACH):

SU20 (Health services)
SU22 (Professional uses)

1.3. Details of the supplier of the safety data sheet

Registered company name:	OXY'PHARM
Address:	829 Rue Marcel Paul, 94500 Champigny sur Marne, FRANCE.
Phone:	+33.1.45.18.78.70
E-mail :	commercial@oxypharm.net
http://www.oxypharm.net/	

1.4. Emergency telephone number:

Country	Emergency telephone number	Website
UK - England, Wales	111	http://www.nhs.uk/
UK - Scotland	111	http://www.nhs24.com/
UK - Northern Ireland	18000 or 999	http://www.gpoutofhours.hscni.net/
Ireland	01 809 2166	http://www.poisons.ie/
Australia	13 1126 from anywhere in Australia	-

Other emergency numbers

In case of emergency, call nearest poison center or 112.

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In compliance with Regulation (EC) No.1272/2008 and its amendments.

Eye irritation, Category 2 (Eye Irrit. 2, H319).

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements

In compliance with Regulation (EC) No.1272/2008 and its amendments.

Hazard pictograms:
Signal Word: Warning
Hazard statements:
H319 Causes serious eye irritation.
Precautionary statements:
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice/attention.
Additional labelling: None

2.3. Other hazards

The mixture does not contain any substances classified as 'Substances of Very High Concern' (SVHC) as defined by criteria of article 57 of REACH (Regulation EC No.1907/2006) at concentration ≥ 0.1% - list published by the European CHemicals Agency (ECHA) as per article 59 of REACH: (http://echa.europa.eu/fr/candidate-list-table).

The mixture does not contain any PBT or vPvB substances as defined in annex XIII of the REACH Regulation (EC) No.1907/2006.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable (mixture).

3.2. Mixtures

Composition:

INDEX	CAS No.	CE No.	Name	Pictogram	Classification	% w/w/
008-003-00-9	7722-84-1	231-765-0	Hydrogen peroxide*/**	SGH03 SGH05 SGH07 Danger	H271 H302 H314 H332	6
-	7440-22-4	231-131-3	Silver*	-	Not classified	x < 0.005

* Substance for which a workplace exposure limit exists.

** Specific limits : H271: C ≥ 70 %
H272: 50 % ≤ C < 70 %
H314 (1A): C ≥ 70 %
H314 (1B): 50 % ≤ C < 70 %
H315: 35 % ≤ C < 50 %
H318: 8 % ≤ C < 50 %
H319: 5 % ≤ C < 8 %
H335: C ≥ 35 %

Other data:

No data available.

SECTION 4: FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing if the victim is unconscious.

4.1. Description of first aid measures

In the event of exposure by inhalation:

In case of discomfort, remove the exposed person to fresh air. Keep warm and at rest. Consult a doctor if symptoms appear.

In the event of splashes or contact with eyes:

Wash thoroughly with soft, clean water holding the eyelids open. Consult an ophthalmologist.in case of pain, redness or visual impairment.

In the event of splashes or contact with skin:

Remove any soiled or splashed clothing immediately. Wash skin with soap and water.

In the event of swallowing:

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.
Keep the exposed person at rest. Do not induce vomiting. Consult a doctor showing the label.

4.2. Most important symptoms and effects, both acute and delayed

No data available for the product.

Information for hydrogen peroxide 50% (CAS No.7722-84-1) are reported below:

Effect on the skin:

Causes caustic burns. With increasing contact length, local erythema or extreme irritation (whitening) up to blistering (caustic burn) can occur.

Effect on the eyes:

Extreme irritation up to cauterisation. Can cause severe conjunctivitis, cornea damage or irreversible eye damage. Symptoms may occur with delay.

Effect when swallowed:

Swallowing can lead to bleeding of the mucosa in the mouth, oesophagus and stomach.

The rapid releasing of oxygen can cause distension and bleeding of the mucosa in the stomach and lead to severe damage of the internal organs, especially in the event of greater intake of the product.

Effect when inhaled:

Inhalation of vapour/aerosols can lead to irritation of the respiratory tract and cause inflammation of the respiratory tract and pulmonary oedema. Symptoms may occur with delay.

4.3. Indication of any immediate medical attention and special treatment needed

Specific and immediate treatment:

No data available.

Information for the doctor:

No data available.

SECTION 5: FIREFIGHTING MEASURES

Contains 6% of hydrogen peroxide (oxidising substance).

5.1. Extinguishing media

Suitable methods of extinction

In the event of a fire, use:
- sprayed water or water mist
- foam
- multipurpose ABC powder / BC powder
- carbon dioxide (CO_2)

Unsuitable methods of extinction

In the event of a fire, do not use:
- water jet

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed:
- oxygen (O_2)
- carbon monoxide (CO)
- carbon dioxide (CO_2)

5.3. Advice for firefighters

No data available.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult safety advice of sections 7 and 8.

For non first aid worker

Avoid any contact with the eyes.

In case of accidental release of large quantities, evacuate staff and allow access only to trained operators equipped with self-contained breathing apparatus.

Ensure adequate ventilation.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Clean preferably with detergent, avoid the use of solvents.

6.4. Reference to other sections

Refer to sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Ensure adequate ventilation, especially in confined areas.

Fire prevention:

Handle in well-ventilated areas.

Prevent access by unauthorised personnel.

Recommended equipment and procedures:

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Avoid any contact with the eyes.

Packages which have been opened must be reclosed carefully and stored in an upright position.

Prohibited equipment and procedures:

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

Storage/Packaging

Keep in original container tightly closed in a dry, well-ventilated area at ambient temperature between 5° and 30°C.

Keep away from food, drink and animal feeding stuffs.

7.3. Specific end use(s)

No data available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits:

CAS No.	CE No.	Name	Country	Occupational exposure limits	Source
7722-84-1	231-765-0	Hydrogen peroxide	UK	Limit value (8h) = 1 ppm - 1.4 mg/m^3 Limit value (short term) = 2 ppm – 2.8 mg/m^3	GESTIS ILV
			Ireland	Limit value (8h) = 1 ppm - 1.5 mg/m^3 Limit value (short term) = 2* ppm – 3* mg/m^3 *15 minutes reference period	GESTIS ILV
7440-22-4	231-131-3	Silver	EU	Limit value (8h) = 0.1 mg/m^3	2000/39/CE
			UK	Limit value (8h) = 0.1 mg/m^3	GESTIS ILV

Biological limits:

No data available.

Derived no effect level (DNEL) or derived minimum effect level (DMEL):

Hydrogen peroxide (CAS No.7722-84-1):

Worker:

Inhalation / acute toxicity – local effects: 3 mg/m^3

Inhalation / long term toxicity– local effects: 1.4 mg/m^3

Consumer:

Inhalation / acute toxicity – local effects: 1.93 mg/m^3

Inhalation / long term toxicity– local effects: 0.21 mg/m^3

Predicted no effect concentration (PNEC):

Hydrogen peroxide (CAS No.7722-84-1):

Fresh water:	0,0126 mg/L
Marine water:	0,0126 mg/L
Water – intermittent releases:	0,0138 mg/L
Sewage treatment plant:	4,66 mg/L
Fresh water sediment:	0,47 mg/kg (dry weight)
Marine sediment:	0,47 mg/kg (dry weight)
Soil:	0,0023 mg/kg (dry weight)

8.2. Exposure controls

Suitable technical inspections:

Ensure adequate ventilation, especially in confined areas.

Personal protection measures, such as personal protective equipment

No specific personal protective equipment is considered necessary for the final use of this product.

In case personal protective equipment are used (manufacturing):

- use personal protective equipment that is clean and has been properly maintained.
- Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using.

Ensure adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Before handling large quantities, wear safety goggles with protective sides accordance with standard EN166.

- Hand protection

Use suitable protective gloves in accordance with standard EN374 in case of repeated or prolonged exposure.

- Body protection

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

- Respiratory protection

Ensure adequate ventilation, especially in confined areas.

- Thermal risks

Not applicable.

Exposure controls linked to environmental protection

No data available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information:

Physical state:	Liquid (fluid)
Odour:	Mint
Colour:	Colorless

Important health, safety and environmental information

pH (mixture):	3.5 ± 0.5 (CIPAC MT 75.3)
pH (1% dilution):	6 ± 1 (CIPAC MT 75.3)
Melting point/melting range:	Not determined
Freezing point:	Not determined
Boiling point/boiling range:	Not determined
Flash point:	Boiling above 110°C without flashing (A.9)
Evaporation rate:	Not determined
Flammability:	Not determined
Lower/upper flammability limits:	Not determined
Lower/upper explosive limits:	Not determined
Vapour pressure:	Not determined
Vapour density:	Not determined
Density:	D^{20}_4 = 1.020 – volumetric mass = 1.019 kg/L (OECD No.109)
Solubility:	Not determined
Octanol/water partition coefficient:	Not determined
Self-ignition temperature:	Not determined
Decomposition point:	Not determined
Viscosity:	0.75 mm²/s at 20°C - 0.51 mm²/s at 40°C (OECD No.114)
Explosive properties:	Not determined
Oxidising properties:	Not determined

9.2. Other information

Surface tension (mixture):	33.2 mN/m (OECD No.115)

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide, carbon dioxide fumes, nitrogen oxides.
Hydrogen peroxide (6% in product) is an oxidizing and reactive substance. The commercial product is stabilized to reduce the risk of decomposition.
Risk of decomposition to heat.
Risk of exothermic decomposition and formation of oxygen in case of contact with incompatible or combustible substances.
Mixing with organic substances (solvents) can induce explosive properties.

10.4. Conditions to avoid

Avoid:
- direct sunlight, high temperatures.

10.5. Incompatible materials

Avoid contact with:
- metals, metal salts, acids, bases, reducing agents, flammable substances, organic solvents.

10.6. Hazardous decomposition products

The thermal decomposition may release/form

- oxygen (O_2)
- carbon monoxide (CO)
- carbon dioxide (CO_2)

SECTION 11: TOXICOLOGICAL INFORMATION

Splashes in the eyes may cause irritation and reversible damage

11.1. Information on toxicological effects

11.1.1. Substances

Not applicable (mixture).

11.1.2. Mixture

No toxicological data available for the mixture.

The product is classified as eye irritant (Eye irritation, Category 2 (Eye Irrit. 2, H319), classification by conventional calculation method).

Acute toxicity:

The product is not classified (conventional method by calculation).

Hydrogen peroxide 50% (CAS No.7722-84-1):

Oral, rat: LD_{50} > 225 mg/kg (OECD No.401)

Inhalation, rat : LC_{50} > 0.17 mg/L (4h) – no mortality (US EPA)

Hydrogen peroxide 70% (CAS No.7722-84-1):

Dermal, rabbit: LD_{50} > 6 500 mg/kg

Hydrogen peroxide 35% (CAS No.7722-84-1):

Dermal, rabbit: LD_{50} > 2 000 mg/kg (US EPA)

Skin corrosion/skin irritation:

The product is not classified (conventional method by calculation).

Hydrogen peroxide (CAS No.7722-84-1):

H314 (1A): C ≥ 70 %

H314 (1B): 50 % ≤ C < 70 %

H315: 35 % ≤ C < 50 %

Serious damage to eyes/eye irritation:

The product is classified as eye irritant (Eye irritation, Category 2 (Eye Irrit. 2, H319), classification by conventional calculation method).

Hydrogen peroxide (CAS No.7722-84-1):

H318: 8 % ≤ C < 50 %

H319: 5 % ≤ C < 8 %

Respiratory or skin sensitisation:

The product does not contain any substance classified as sensitising.

Germ cell mutagenicity:

No data available for the mixture, however no hazard is expected with regard to its components.

Hydrogen peroxide (CAS No.7722-84-1):

Genotoxicity *in vitro*:

Bacterial reverse mutation assay *S. typhimurium / E. coli*: positive and negative with or without metabolic activation

Chromosomal aberration mammalian cells: positive without metabolic activation (OECD No.473)

Genetic mutation in mammal cells: positive without metabolic activation (OECD No.476)

Hydrogen peroxide 35% (CAS No.7722-84-1):

Genotoxicity *in vivo*:

Micronucleus test Mouse intraperitoneal: negative (OECD No.474)

Carcinogenicity:

No data available for the mixture, however no hazard is expected with regard to its components.

Reproductive toxicant:

No data available for the mixture, however no hazard is expected with regard to its components.

Specific target organ systemic toxicity - single exposure:

The product is not classified (conventional method by calculation).

Hydrogen peroxide (CAS No.7722-84-1):

H335; C ≥ 35 %

Specific target organ systemic toxicity - repeated exposure:

The product does not contain any substance classified for this hazard.

Hydrogen peroxide 35% (CAS No.7722-84-1):

Oral, mouse, 90 days: NOEL = 37 mg/kg (female) – 26 mg/kg (male) (OECD No.408)

Changes of parameters of the blood, body weight development negative, irritative effect (gastrointestinal tract)

Aspiration hazard:

The product does not contain any substance classified for this hazard.

Symptoms related to the physical, chemical and toxicological characteristics

No data available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

No data available.

Interactive effects

No data available.

Absence of specific data

No data available.

Other information

No data available.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Substances

Not applicable (mixture).

12.1.2. Mixture

No aquatic toxicity information is available for the mixture.

This mixture is not classified as hazardous for the environment (classification by calculation).

No environmental damage is known or foreseeable under normal conditions of use.

Hydrogen peroxide (CAS No.7722-84-1):

Acute toxicity:

Fish: semi-static test, *Pimephales promelas:*	LC_{50} = 16,4 mg/L (96 h)
Invertebrates: semi-static test, *Daphnia pulex:*	EC_{50} = 2,4 mg/L (48 h)
Algae: static test, *Skeletonema costatum:*	NOEC = 0,63 mg/L (72 h) – growth rate
Bacteria: activated sludge test:	EC_{50} = 466 mg/L (30 min); > 1000 mg/L (3 h) (OECD No.209)

Chronic toxicity:

Invertebrates: flow-through, *Daphnia magna*:	NOEC = 0,63 mg/L (21 days)

12.2. Persistence and degradability

No data available for the mixture.

Hydrogen peroxide (CAS No.7722-84-1): readily degradable.

12.3. Bioaccumulative potential

No data available for the mixture.

Hydrogen peroxide (CAS No.7722-84-1): no bioaccumulative potential (rapid decomposition into oxygen and water).

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

The mixture does not contain any PBT nor vPvB substance.

12.6. Other adverse effects

No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC, Decision 2014/955/EU and Directive (EU) 2015/1127.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste:

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:

Completely empty container. Keep label(s) on container. Give to a certified disposal contractor.

SECTION 14: TRANSPORT INFORMATION

Exempt from transport classification and labelling.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Classification and labelling information included in section 2:

The following regulations have been used:

- Regulation EC No.1272/2008 and its modifications

Biocidal regulation (EU) No. 528/2012

Surface disinfectant (biocide PT2) – professional use.

Hydrogene peroxide, CAS No.7722-84-1: 6%

Container information:

No data available.

Particular provisions:

No data available.

15.2. Chemical safety assessment

No data available.

SECTION 16: OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Wording of the phrases mentioned in section 3:

H271	May cause fire or explosion; strong oxidiser.
H272	May intensify fire; oxidiser.
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H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.

Abbreviations:

PBT: Persistent, bioaccumulable and toxic.

vPvB: Very persistent, very bioaccumulable.

SVHC: Substances of very high concern.

Revision:

A vertical line in the left margin indicates a change to the previous version.
This version replaces all previous versions.

Changes from version No.1 to version No.2:
addition of physico-chemical results in section 9, change of logo and other minor corrections (format, wording).
Changes from version No.1 to version No.2:
addition of emergency phone number for Australia.

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

1.1. Product identifier

Product name: **NOCOLYSE NOCODOR**

1.2. Relevant identified uses of the substance or mixture and uses advised against

Surface disinfectant (biocide PT2) – professional use.

Ready-to-use solution, used as bactericidal, fungicidal, virucidal, yeasticidal, tuberculocidal and sporicidal disinfectant. For use with devices conform to the Oxy'Pharm concept

Use descriptor system (REACH):

SU20 (Health services)
SU22 (Professional uses)

1.3. Details of the supplier of the safety data sheet

Registered company name:	OXY'PHARM
Address:	829 Rue Marcel Paul, 94500 Champigny sur Marne, FRANCE.
Phone:	+33.1.45.18.78.70
E-mail :	commercial@oxypharm.net
http://www.oxypharm.net/	

1.4. Emergency telephone number:

Country	Emergency telephone number	Website
UK - England, Wales	111	http://www.nhs.uk/
UK - Scotland	111	http://www.nhs24.com/
UK - Northern Ireland	18000 or 999	http://www.gpoutofhours.hscni.net/
Ireland	01 809 2166	http://www.poisons.ie/

Other emergency numbers

In case of emergency, call nearest poison center or 112.

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In compliance with Regulation (EC) No.1272/2008 and its amendments.

Eye irritation, Category 2 (Eye Irrit. 2, H319).

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements

In compliance with Regulation (EC) No.1272/2008 and its amendments.

Hazard pictograms:

Signal Word:	Warning
Hazard statements:	
H319	Causes serious eye irritation.
Precautionary statements:	
P264	Wash hands thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice/attention.
Additional labelling:	None

2.3. Other hazards

The mixture does not contain any substances classified as 'Substances of Very High Concern' (SVHC) as defined by criteria of article 57 of REACH and published by the European CHemicals Agency (ECHA - http://echa.europa.eu/fr/candidate-list-table) as per article 59 of REACH (Regulation EC No.1907/2006) at concentration ≥ 0.1%.

The mixture does not contain any PBT or vPvB substances as defined in annex XIII of the REACH Regulation (EC) No.1907/2006.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable (mixture).

3.2. Mixtures

Composition:

INDEX	CAS No.	CE No.	Name	Pictogram	Classification	% w/w/
008-003-00-9	7722-84-1	231-765-0	Hydrogen peroxide*/**	SGH03 SGH05 SGH07 Danger	H271 H302 H314 H332	6
-	7440-22-4	231-131-3	Silver*	-	Not classified	x < 0.005

* Substance for which a workplace exposure limit exists.

** Specific limits:
H271: C ≥ 70 %
H272: 50 % ≤ C < 70 %
H314 (1A): C ≥ 70 %
H314 (1B): 50 % ≤ C < 70 %
H315: 35 % ≤ C < 50 %
H318: 8 % ≤ C < 50 %
H319: 5 % ≤ C < 8 %
H335: C ≥ 35 %

Other data:

No data available.

SECTION 4: FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing if the victim is unconscious.

4.1. Description of first aid measures

In the event of exposure by inhalation:

In case of discomfort, remove the exposed person to fresh air. Keep warm and at rest. Consult a doctor if symptoms appear.

In the event of splashes or contact with eyes:

Wash thoroughly with soft, clean water holding the eyelids open. Consult an ophthalmologist.in case of pain, redness or visual impairment.

In the event of splashes or contact with skin:

Remove any soiled or splashed clothing immediately. Wash skin with soap and water.

In the event of swallowing:

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.
Keep the exposed person at rest. Do not induce vomiting. Consult a doctor showing the label.

4.2. Most important symptoms and effects, both acute and delayed

No data available for the product.

Information for hydrogen peroxide 50% (CAS No.7722-84-1) are reported below:

Effect on the skin:

Causes caustic burns. With increasing contact length, local erythema or extreme irritation (whitening) up to blistering (caustic burn) can occur.

Effect on the eyes:

Extreme irritation up to cauterisation. Can cause severe conjunctivitis, cornea damage or irreversible eye damage. Symptoms may occur with delay.

Effect when swallowed:

Swallowing can lead to bleeding of the mucosa in the mouth, oesophagus and stomach.

The rapid releasing of oxygen can cause distension and bleeding of the mucosa in the stomach and lead to severe damage of the internal organs, especially in the event of greater intake of the product.

Effect when inhaled:

Inhalation of vapour/aerosols can lead to irritation of the respiratory tract and cause inflammation of the respiratory tract and pulmonary oedema. Symptoms may occur with delay.

4.3. Indication of any immediate medical attention and special treatment needed

Specific and immediate treatment:

No data available.

Information for the doctor:

No data available.

SECTION 5: FIREFIGHTING MEASURES

Contains 6% of hydrogen peroxide (oxidising substance).

5.1. Extinguishing media

Suitable methods of extinction

In the event of a fire, use:
- sprayed water or water mist
- foam
- multipurpose ABC powder / BC powder
- carbon dioxide (CO_2)

Unsuitable methods of extinction

In the event of a fire, do not use:
- water jet

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed:
- oxygen (O_2)
- carbon monoxide (CO)
- carbon dioxide (CO_2)

5.3. Advice for firefighters

No data available.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult safety advice of sections 7 and 8.

For non first aid worker

Avoid any contact with the eyes.

In case of accidental release of large quantities, evacuate staff and allow access only to trained operators equipped with self-contained breathing apparatus.

Ensure adequate ventilation.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Clean preferably with detergent, avoid the use of solvents.

6.4. Reference to other sections

Refer to sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Ensure adequate ventilation, especially in confined areas.

Fire prevention:

Handle in well-ventilated areas.

Prevent access by unauthorised personnel.

Recommended equipment and procedures:

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Avoid any contact with the eyes.

Packages which have been opened must be reclosed carefully and stored in an upright position.

Prohibited equipment and procedures:

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

Storage/Packaging

Keep in original container tightly closed in a dry, well-ventilated area at ambient temperature between 5° and 30°C.

Keep away from food, drink and animal feeding stuffs.

7.3. Specific end use(s)

No data available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits:

CAS No.	CE No.	Name	Country	Occupational exposure limits	Source
7722-84-1	231-765-0	Hydrogen peroxide	UK	Limit value (8h) = 1 ppm - 1.4 mg/m^3 Limit value (short term) = 2 ppm – 2.8 mg/m^3	GESTIS ILV
			Ireland	Limit value (8h) = 1 ppm - 1.5 mg/m^3 Limit value (short term) = 2* ppm – 3* mg/m^3 *15 minutes reference period	GESTIS ILV
7440-22-4	231-131-3	Silver	EU	Limit value (8h) = 0.1 mg/m^3	2000/39/CE
			UK	Limit value (8h) = 0.1 mg/m^3	GESTIS ILV

Biological limits:

No data available.

Derived no effect level (DNEL) or derived minimum effect level (DMEL):

Hydrogen peroxide (CAS No.7722-84-1):

Worker:

Inhalation / acute toxicity – local effects: 3 mg/m^3

Inhalation / long term toxicity– local effects: 1.4 mg/m^3

Consumer:

Inhalation / acute toxicity – local effects: 1.93 mg/m^3

Inhalation / long term toxicity– local effects: 0.21 mg/m^3

Predicted no effect concentration (PNEC):

Hydrogen peroxide (CAS No.7722-84-1):

Fresh water:	0,0126 mg/L
Marine water:	0,0126 mg/L
Water – intermittent releases:	0,0138 mg/L
Sewage treatment plant:	4,66 mg/L
Fresh water sediment:	0,47 mg/kg (dry weight)
Marine sediment:	0,47 mg/kg (dry weight)
Soil:	0,0023 mg/kg (dry weight)

8.2. Exposure controls

Suitable technical inspections:

Ensure adequate ventilation, especially in confined areas.

Personal protection measures, such as personal protective equipment

No specific personal protective equipment is considered necessary for the final use of this product.
In case personal protective equipment are used (manufacturing):

- use personal protective equipment that is clean and has been properly maintained.
- Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using.

Ensure adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Before handling large quantities, wear safety goggles with protective sides accordance with standard EN166.

- Hand protection

Use suitable protective gloves in accordance with standard EN374 in case of repeated or prolonged exposure.

- Body protection

Work clothing worn by personnel shall be laundered regularly.
After contact with the product, all parts of the body that have been soiled must be washed.

- Respiratory protection

Ensure adequate ventilation, especially in confined areas.

- Thermal risks

Not applicable.

Exposure controls linked to environmental protection

No data available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information:

Physical state:	Liquid (fluid)
Odour:	Characteristic
Colour:	Colorless

Important health, safety and environmental information

pH (mixture):	3.5 ± 0.5
pH (1% dilution):	6 ± 1 (CIPAC MT 75.3)
Melting point/melting range:	Not determined
Freezing point:	Not determined
Boiling point/boiling range:	Not determined
Flash point:	Boiling above 110°C without flashing (A.9)
Evaporation rate:	Not determined
Flammability:	Not determined
Lower/upper flammability limits:	Not determined
Lower/upper explosive limits:	Not determined
Vapour pressure:	Not determined
Vapour density:	Not determined
Density:	D^{20}_4 = 1.020 – volumetric mass = 1.019 kg/L (OECD No.109)
Solubility:	Not determined
Octanol/water partition coefficient:	Not determined
Self-ignition temperature:	Not determined
Decomposition point:	Not determined
Viscosity:	0.75 mm²/s at 20°C - 0.51 mm²/s at 40°C (OECD No.114)
Explosive properties:	Not determined
Oxidising properties:	Not determined

9.2. Other information

Surface tension (mixture):	33.2 mN/m (OECD No.115)

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide, carbon dioxide fumes, nitrogen oxides.
Hydrogen peroxide (6% in product) is an oxidizing and reactive substance. The commercial product is stabilized to reduce the risk of decomposition.
Risk of decomposition to heat.
Risk of exothermic decomposition and formation of oxygen in case of contact with incompatible or combustible substances.
Mixing with organic substances (solvents) can induce explosive properties.

10.4. Conditions to avoid

Avoid:
- direct sunlight, high temperatures.

10.5. Incompatible materials

Avoid contact with:
- metals, metal salts, acids, bases, reducing agents, flammable substances, organic solvents.

10.6. Hazardous decomposition products

The thermal decomposition may release/form

- oxygen (O_2)
- carbon monoxide (CO)
- carbon dioxide (CO_2)

SECTION 11: TOXICOLOGICAL INFORMATION

Splashes in the eyes may cause irritation and reversible damage

11.1. Information on toxicological effects

11.1.1. Substances

Not applicable (mixture).

11.1.2. Mixture

No toxicological data available for the mixture.

The product is classified as eye irritant (Eye irritation, Category 2 (Eye Irrit. 2, H319), classification by conventional calculation method).

Acute toxicity:

The product is not classified (conventional method by calculation).

Hydrogen peroxide 50% (CAS No.7722-84-1):

Oral, rat : LD_{50} > 225 mg/kg (OECD No.401)

Inhalation, rat : LC_{50} > 0.17 mg/L (4h) – no mortality (US EPA)

Hydrogen peroxide 70% (CAS No.7722-84-1):

Dermal, rabbit: LD_{50} > 6 500 mg/kg

Hydrogen peroxide 35% (CAS No.7722-84-1):

Dermal, rabbit: LD_{50} > 2 000 mg/kg (US EPA)

Skin corrosion/skin irritation:

The product is not classified (conventional method by calculation).

Hydrogen peroxide (CAS No.7722-84-1):

H314 (1A): C ≥ 70 %

H314 (1B): 50 % ≤ C < 70 %

H315: 35 % ≤ C < 50 %

Serious damage to eyes/eye irritation:

The product is classified as eye irritant (Eye irritation, Category 2 (Eye Irrit. 2, H319), classification by conventional calculation method).

Hydrogen peroxide (CAS No.7722-84-1):

H318: 8 % ≤ C < 50 %

H319: 5 % ≤ C < 8 %

Respiratory or skin sensitisation:

The product does not contain any substance classified as sensitising.

Germ cell mutagenicity:

No data available for the mixture, however no hazard is expected with regard to its components.

Hydrogen peroxide (CAS No.7722-84-1):

Genotoxicity in vitro:

Bacterial reverse mutation assay *S. typhimurium / E. coli*: positive and negative with or without metabolic activation

Chromosomal aberration mammalian cells: positive without metabolic activation (OECD No.473)

Genetic mutation in mammal cells: positive without metabolic activation (OECD No.476)

Hydrogen peroxide 35% (CAS No.7722-84-1):

Genotoxicity in vivo:

Micronucleus test Mouse intraperitoneal: negative (OECD No.474)

Carcinogenicity:

No data available for the mixture, however no hazard is expected with regard to its components.

Reproductive toxicant:

No data available for the mixture, however no hazard is expected with regard to its components.

Specific target organ systemic toxicity - single exposure:

The product is not classified (conventional method by calculation).

Hydrogen peroxide (CAS No.7722-84-1):

H335; C ≥ 35 %

Specific target organ systemic toxicity - repeated exposure:

The product does not contain any substance classified for this hazard.

Hydrogen peroxide 35% (CAS No.7722-84-1):

Oral, mouse, 90 days: NOEL = 37 mg/kg (female) – 26 mg/kg (male) (OECD No.408)

Changes of parameters of the blood, body weight development negative, irritative effect (gastrointestinal tract)

Aspiration hazard:

The product does not contain any substance classified for this hazard.

Symptoms related to the physical, chemical and toxicological characteristics

No data available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

No data available.

Interactive effects

No data available.

Absence of specific data

No data available.

Other information

No data available.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Substances

Not applicable (mixture).

12.1.2. Mixture

No aquatic toxicity information is available for the mixture.

This mixture is not classified as hazardous for the environment (classification by calculation).

No environmental damage is known or foreseeable under normal conditions of use.

Hydrogen peroxide (CAS No.7722-84-1):

Acute toxicity:

Fish: semi-static test, *Pimephales promelas*:	LC_{50} = 16,4 mg/L (96 h)
Invertebrates: semi-static test, *Daphnia pulex*:	EC_{50} = 2,4 mg/L (48 h)
Algae: static test, *Skeletonema costatum:*	NOEC = 0,63 mg/L (72 h) – growth rate
Bacteria: activated sludge test:	EC_{50} = 466 mg/L (30 min); > 1000 mg/L (3 h) (OECD No.209)

Chronic toxicity:

Invertebrates: flow-through, *Daphnia magna*:	NOEC = 0,63 mg/L (21 days)

12.2. Persistence and degradability

No data available for the mixture.

Hydrogen peroxide (CAS No.7722-84-1): readily degradable.

12.3. Bioaccumulative potential

No data available for the mixture.

Hydrogen peroxide (CAS No.7722-84-1): no bioaccumulative potential (rapid decomposition into oxygen and water).

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

The mixture does not contain any PBT nor vPvB substance.

12.6. Other adverse effects

No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC, Decision 2014/955/EU and Directive (EU) 2015/1127.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste:

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:

Completely empty container. Keep label(s) on container. Give to a certified disposal contractor.

SECTION 14: TRANSPORT INFORMATION

Exempt from transport classification and labelling.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Classification and labelling information included in section 2:

The following regulations have been used:

- Regulation EC No.1272/2008 and its modifications

Biocidal regulation (EU) No. 528/2012

Surface disinfectant (biocide PT2) – professional use.

Hydrogene peroxide, CAS No.7722-84-1 : 6%

Container information:

No data available.

Particular provisions:

No data available.

15.2. Chemical safety assessment

No data available.

SECTION 16: OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Wording of the phrases mentioned in section 3:

H271	May cause fire or explosion; strong oxidiser.
H272	May intensify fire; oxidiser.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.

Abbreviations:

ADR: European agreement concerning the international carriage of dangerous goods by Road.

IMDG: International Maritime Dangerous Goods.

IATA: International Air Transport Association.

ICAO: International Civil Aviation Organisation

RID: Regulations concerning the International carriage of Dangerous goods by rail.

PBT: Persistent, bioaccumulable and toxic.

vPvB: Very persistent, very bioaccumulable.

SVHC: Substances of very high concern.

Revision:

A vertical line in the left margin indicates a change to the previous version.
This version replaces all previous versions.

Changes from version No.1 to version No.2:
addition of physic-chemical results in section 9, change of logo and other minor corrections (format, wording).

- **NOCOLYSE ONE SHOT®** is a BIO-disinfectant for surfaces.
- **NOCOLYSE ONE SHOT®** is a product based on hydrogen peroxide (12%), ready for-use, conceived to be used exclusively with the diffusion appliances of the **NOCOTECH®** range.
- The association **NOCOLYSE ONE SHOT®** / **NOCOSPRAY®** (or **NOCOMAX®**) is effective on all types of microorganisms : it enables surface disinfection treatments with a bactericidal, fungicidal, virucidal, yeasticidal, tuberculocidal and sporicidal efficiency.
- **NOCOLYSE ONE SHOT®** is available in neutral fragrance.

REFERENCES AND PACKAGING

	Référence	Packaging
Neutral	**4010.001**	1 Litre
	4010.001-6	Box of 6 x 1 Litre
	4010.005	5 Litre Canister
	4010.020	20 Litre Canister

COMPOSITION

Stabilized hydrogen peroxide in solution 12% (120ml/l) • EC=231-765-0 / CAS=7722-84-1.
Silver 17 ppm • EC=231-131-3 / CAS=7440-22-4.

STORAGE

- Store the product in the original packaging, vertically and in a cool and well ventilated place.
- Shelf-life : In the closed original packaging : 2 years from manufacturing date.
  Once opened : 2 months from opening date.

OXY'PHARM
829 rue Marcel Paul
94500 Champigny-sur-Marne
commercial@oxypharm.net
T : +33 1 45 18 78 70
www.oxypharm.net

FABRIQUE EN FRANCE - MADE IN FRANCE

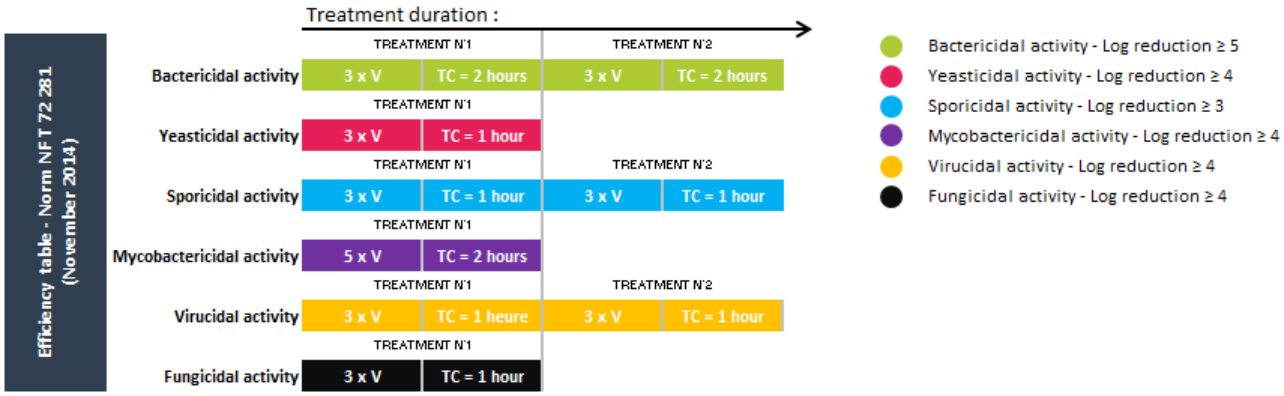
PRECAUTION FOR USE

- Refer to the material safety data sheet, available on request by email: commercial@oxypharm.net.

INSTRUCTIONS FOR USE

Protocol for curative use

a. Follow the instructions for use of the diffusion appliance of the range NOCOTECH® (cf. user's manual and quickstart document).
b. Attach the 1L bottle to the diffusion appliance NOCOSPRAY® or the 20L tank on the diffusion appliance NOCOMAX®.
c. On the device, set the volume (V) of the room to be treated according to the required treatment (cf. below efficiency table).
   As an example : « 3 x V » means « 3 times the volume of the room to be treated ».
   A 20m² room with a height of approximately 2,50m will have a volume of 20 x 2,50m = 50m^3.
   The device will have to be set on 3 x 50 = 150m^3.
d. After the end of diffusion, respect a dwell time as indicated in the below efficiency table (CT).
e. Make a second treatment if necessary (cf. below efficiency table).



IMPORTANT:

- During diffusion time and dwell time, leave the room closed and do not enter. The treatment must be conducted with no human presence inside the room.
- To achieve the highest quality disinfection a stringent cleaning process should be carried out prior to treatment.
- **Protocols indicated in the above efficiency table are conform to results obtained in laboratory tests conducted according to NF T 72 281 norm (November 2014).** Every user can however define and validate a protocol according to his/her own efficiency requirements.
- Log reductions shown in the above table are a minimum achieved as set by the norm protocol.
  Higher reductions are achievable – up to Log 6 reductions.

OXY'PHARM
829 rue Marcel Paul
94500 Champigny-sur-Marne
commercial@oxypharm.net
T : +33 1 45 18 78 70
www.oxypharm.net

FABRIQUE EN FRANCE - MADE IN FRANCE

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

1.1. Product identifier

Product name: **NOCOLYSE ONE SHOT**

1.2. Relevant identified uses of the substance or mixture and uses advised against

Surface disinfectant (biocide PT2) – professional use.

Ready-to-use solution, used as bactericidal, fungicidal, virucidal, yeasticidal, tuberculocidal and sporicidal disinfectant. For use with devices conform to the Oxy'Pharm concept.

Use descriptor system (REACH):

SU20 (Health services)
SU22 (Professional uses)

1.3. Details of the supplier of the safety data sheet

Registered company name:	OXY'PHARM
Address:	829 Rue Marcel Paul, 94500 Champigny sur Marne, FRANCE.
Phone:	+33.1.45.18.78.70
E-mail :	commercial@oxypharm.net
http://www.oxypharm.net/	

1.4. Emergency telephone number:

Country	Emergency telephone number	Website
UK - England, Wales	111	http://www.nhs.uk/
UK - Scotland	111	http://www.nhs24.com/
UK - Northern Ireland	18000 or 999	http://www.gpoutofhours.hscni.net/
Ireland	01 809 2166	http://www.poisons.ie/

Other emergency numbers

In case of emergency, call nearest poison center or 112.

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In compliance with Regulation (EC) No.1272/2008 and its amendments.

Serious eye damage, Category 1 (Eye Dam. 1, H318).

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements

In compliance with Regulation (EC) No.1272/2008 and its amendments.

Hazard pictograms:

Signal Word:	Danger
Product identifier:	HYDROGEN PEROXIDE (CAS No.7722-84-1)
Hazard statements:	
H318	Causes serious eye damage.
Precautionary statements:	
P264	Wash hands thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P310	Immediately call a POISON CENTER or doctor/physician.
Additional labelling:	None

2.3. Other hazards

The mixture does not contain any substances classified as 'Substances of Very High Concern' (SVHC) as defined by criteria of article 57 of REACH (Regulation EC No.1907/2006) at concentration ≥ 0.1% - list published by the European CHemicals Agency (ECHA) as per article 59 of REACH: (http://echa.europa.eu/fr/candidate-list-table).

The mixture does not contain any PBT or vPvB substances as defined in annex XIII of the REACH Regulation (EC) No.1907/2006.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable (mixture).

3.2. Mixtures

Composition:

INDEX	CAS No.	CE No.	Name	Pictogram	Classification	% w/w/
008-003-00-9	7722-84-1	231-765-0	Hydrogen peroxide*/**	SGH03 SGH05 SGH07 Danger	H271 H302 H314 H332	12
-	7440-22-4	231-131-3	Silver*	-	Not classified	x < 0.005

* Substance for which a workplace exposure limit exists.

** Specific limits:
H271: C ≥ 70 %
H272: 50 % ≤ C < 70 %
H314 (1A): C ≥ 70 %
H314 (1B): 50 % ≤ C < 70 %
H315: 35 % ≤ C < 50 %
H318: 8 % ≤ C < 50 %
H319: 5 % ≤ C < 8 %
H335: C ≥ 35 %

Other data:

No data available.

SECTION 4: FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing if the victim is unconscious.

4.1. Description of first aid measures

In the event of exposure by inhalation:

In case of discomfort, remove the exposed person to fresh air. Keep warm and at rest. Consult a doctor if symptoms appear.

In the event of splashes or contact with eyes:

Wash thoroughly with soft, clean water for several minutes holding the eyelids open.
Regardless of the initial state, refer the patient to an ophthalmologist and show him the label.

In the event of splashes or contact with skin:

Remove any soiled or splashed clothing immediately. Wash skin with soap and water.

In the event of swallowing:

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.
Keep the exposed person at rest. Do not induce vomiting. Consult a doctor showing the label.

4.2. Most important symptoms and effects, both acute and delayed

No data available for the product.

Information for hydrogen peroxide 50% (CAS No.7722-84-1) are reported below:

Effect on the skin:

Causes caustic burns. With increasing contact length, local erythema or extreme irritation (whitening) up to blistering (caustic burn) can occur.

Effect on the eyes:

Extreme irritation up to cauterisation. Can cause severe conjunctivitis, cornea damage or irreversible eye damage. Symptoms may occur with delay.

Effect when swallowed:

Swallowing can lead to bleeding of the mucosa in the mouth, oesophagus and stomach.

The rapid releasing of oxygen can cause distension and bleeding of the mucosa in the stomach and lead to severe damage of the internal organs, especially in the event of greater intake of the product.

Effect when inhaled:

Inhalation of vapour/aerosols can lead to irritation of the respiratory tract and cause inflammation of the respiratory tract and pulmonary oedema. Symptoms may occur with delay.

4.3. Indication of any immediate medical attention and special treatment needed

Specific and immediate treatment:

No data available.

Information for the doctor:

No data available.

SECTION 5: FIREFIGHTING MEASURES

Contains 12% of hydrogen peroxide (oxidising substance).

5.1. Extinguishing media

Suitable methods of extinction

In the event of a fire, use:
- sprayed water or water mist
- foam
- multipurpose ABC powder / BC powder
- carbon dioxide (CO_2)

Unsuitable methods of extinction

In the event of a fire, do not use:
- water jet

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed:
- oxygen (O_2)
- carbon monoxide (CO)
- carbon dioxide (CO_2)

5.3. Advice for firefighters

No data available.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult safety advice of sections 7 and 8.

For non first aid worker

Avoid any contact with the eyes.

In case of accidental release of large quantities, evacuate staff and allow access only to trained operators equipped with self-contained breathing apparatus.

Ensure adequate ventilation.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Clean preferably with detergent, avoid the use of solvents.

6.4. Reference to other sections

Refer to sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Ensure adequate ventilation, especially in confined areas.

Emergency showers and eye wash stations will be required in facilities where the mixture is handled constantly.

Fire prevention:

Handle in well-ventilated areas.

Prevent access by unauthorised personnel.

Recommended equipment and procedures:

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Avoid any contact with the eyes at all times.

Packages which have been opened must be reclosed carefully and stored in an upright position.

Prohibited equipment and procedures:

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

Storage/Packaging

Keep in original container tightly closed in a dry, well-ventilated area at ambient temperature between 5° and 30°C.

Keep away from food, drink and animal feeding stuffs.

7.3. Specific end use(s)

No data available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits:

CAS No.	CE No.	Name	Country	Occupational exposure limits	Source
7722-84-1	231-765-0	Hydrogen peroxide	UK	Limit value (8h) = 1 ppm - 1.4 mg/m^3 Limit value (short term) = 2 ppm – 2.8 mg/m^3	GESTIS ILV
			Ireland	Limit value (8h) = 1 ppm - 1.5 mg/m^3 Limit value (short term) = 2* ppm – 3* mg/m^3 *15 minutes reference period	GESTIS ILV
7440-22-4	231-131-3	Silver	EU	Limit value (8h) = 0.1 mg/m^3	2000/39/CE
			UK	Limit value (8h) = 0.1 mg/m^3	GESTIS ILV

Biological limits:

No data available.

Derived no effect level (DNEL) or derived minimum effect level (DMEL):

Hydrogen peroxide (CAS No.7722-84-1):

Worker:

Inhalation / acute toxicity – local effects: 3 mg/m^3

Inhalation / long term toxicity– local effects: 1.4 mg/m^3

Consumer:

Inhalation / acute toxicity – local effects: 1.93 mg/m^3

Inhalation / long term toxicity– local effects: 0.21 mg/m^3

Predicted no effect concentration (PNEC):

Hydrogen peroxide (CAS No.7722-84-1):

Fresh water:	0,0126 mg/L
Marine water:	0,0126 mg/L
Water – intermittent releases:	0,0138 mg/L
Sewage treatment plant:	4,66 mg/L
Fresh water sediment:	0,47 mg/kg (dry weight)
Marine sediment:	0,47 mg/kg (dry weight)
Soil:	0,0023 mg/kg (dry weight)

8.2. Exposure controls

Suitable technical inspections:

Ensure adequate ventilation, especially in confined areas.

Personal protection measures, such as personal protective equipment

Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using.

Ensure adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Before handling large quantities, wear safety goggles with protective sides accordance with standard EN166. In the event of high danger, protect the face with a face shield.

Provide eyewash stations in facilities where the product is handled constantly.

- Hand protection

Use suitable protective gloves in accordance with standard EN374 in case of repeated or prolonged exposure.

- Body protection

Work clothing worn by personnel shall be laundered regularly.
After contact with the product, all parts of the body that have been soiled must be washed.

- Respiratory protection

Ensure adequate ventilation, especially in confined areas.

- Thermal risks

Not applicable.

Exposure controls linked to environmental protection

No data available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information:

Physical state:	Liquid (fluid)
Odour:	No characteristic odour
Colour:	Colorless

Important health, safety and environmental information

pH (mixture):	3.0 ± 0.5 (CIPAC MT 75.3)
pH (1% dilution):	5.5 ± 0.5 (CIPAC MT 75.3)
Melting point/melting range:	Not determined
Freezing point:	Not determined
Boiling point/boiling range:	Not determined
Flash point:	Boiling above 110°C without flashing (A.9)
Evaporation rate:	Not determined
Flammability:	Not determined
Lower/upper flammability limits:	Not determined
Lower/upper explosive limits:	Not determined
Vapour pressure:	Not determined
Vapour density:	Not determined
Density:	D^{20}_4 = 1.042 – volumetric mass = 1.041 kg/L (OECD No.109)
Solubility:	Not determined
Octanol/water partition coefficient:	Not determined
Self-ignition temperature:	Not determined
Decomposition point:	Not determined
Viscosity:	0.77 mm²/s at 20°C - 0.52 mm²/s at 40°C (OECD No.114)
Explosive properties:	Not determined
Oxidising properties:	Not determined

9.2. Other information

Surface tension (mixture):	34.0 mN/m (OECD No.115)

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide, carbon dioxide fumes, nitrogen oxides.
Hydrogen peroxide (12% in product) is an oxidizing and reactive substance. The commercial product is stabilized to reduce the risk of decomposition.
Risk of decomposition to heat.
Risk of exothermic decomposition and formation of oxygen in case of contact with incompatible or combustible substances.
Mixing with organic substances (solvents) can induce explosive properties.

10.4. Conditions to avoid

Avoid:
- direct sunlight, high temperatures.

10.5. Incompatible materials

Avoid contact with:
- metals, metal salts, acids, bases, reducing agents, flammable substances, organic solvents.

10.6. Hazardous decomposition products

The thermal decomposition may release/form

- oxygen (O_2)
- carbon monoxide (CO)
- carbon dioxide (CO_2)

SECTION 11: TOXICOLOGICAL INFORMATION

May have irreversible effects on the eyes, such as tissue damage in the eye, or serious physical decay of sight, which is not fully reversible by the end of observation at 21 days.

Serious eye damage is typified by the destruction of cornea, persistent corneal opacity and iritis.

11.1. Information on toxicological effects

11.1.1. Substances

Not applicable (mixture).

11.1.2. Mixture

No toxicological data available for the mixture.

The product is classified for serious eye damage, Category 1 (Eye Dam. 1, H318), classification by conventional calculation method.

Acute toxicity:

The product is not classified (conventional method by calculation).

Hydrogen peroxide 50% (CAS No.7722-84-1):

Oral, rat: LD_{50} > 225 mg/kg (OECD No.401)

Inhalation, rat: LC_{50} > 0.17 mg/L (4h) – no mortality (US EPA)

Hydrogen peroxide 70% (CAS No.7722-84-1):

Dermal, rabbit: LD_{50} > 6 500 mg/kg

Hydrogen peroxide 35% (CAS No.7722-84-1):

Dermal, rabbit: LD_{50} > 2 000 mg/kg (US EPA)

Skin corrosion/skin irritation:

The product is not classified (conventional method by calculation).

Hydrogen peroxide (CAS No.7722-84-1):

H314 (1A): C ≥ 70 %

H314 (1B): 50 % ≤ C < 70 %

H315: 35 % ≤ C < 50 %

Serious damage to eyes/eye irritation:

The product is classified for serious eye damage, Category 1 (Eye Dam. 1, H318), classification by conventional calculation method.

Hydrogen peroxide (CAS No.7722-84-1):

H318: 8 % ≤ C < 50 %

Respiratory or skin sensitisation:

The product does not contain any substance classified as sensitising.

Germ cell mutagenicity:

No data available for the mixture, however no hazard is expected with regard to its components.

Hydrogen peroxide (CAS No.7722-84-1):

Genotoxicity *in vitro*:

Bacterial reverse mutation assay *S. typhimurium / E. coli*: positive and negative with or without metabolic activation

Chromosomal aberration mammalian cells: positive without metabolic activation (OECD No.473)

Genetic mutation in mammal cells: positive without metabolic activation (OECD No.476)

Hydrogen peroxide 35% (CAS No.7722-84-1):

Genotoxicity *in vivo*:

Micronucleus test Mouse intraperitoneal: negative (OECD No.474)

Carcinogenicity:

No data available for the mixture, however no hazard is expected with regard to its components.

Reproductive toxicant:

No data available for the mixture, however no hazard is expected with regard to its components.

Specific target organ systemic toxicity - single exposure:

The product is not classified (conventional method by calculation).

Hydrogen peroxide (CAS No.7722-84-1):

H335; C ≥ 35 %

Specific target organ systemic toxicity - repeated exposure:

The product does not contain any substance classified for this hazard.

Hydrogen peroxide 35% (CAS No.7722-84-1):

Oral, mouse, 90 days: NOEL = 37 mg/kg (female) – 26 mg/kg (male) (OECD No.408)

Changes of parameters of the blood, body weight development negative, irritative effect (gastrointestinal tract)

Aspiration hazard:

The product does not contain any substance classified for this hazard.

Symptoms related to the physical, chemical and toxicological characteristics

No data available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

No data available.

Interactive effects

No data available.

Absence of specific data

No data available.

Other information

No data available.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Substances

Not applicable (mixture).

12.1.2. Mixture

No aquatic toxicity information is available for the mixture.

This mixture is not classified as hazardous for the environment (classification by calculation).

No environmental damage is known or foreseeable under normal conditions of use.

Hydrogen peroxide (CAS No.7722-84-1):

Acute toxicity:

Fish: semi-static test, *Pimephales promelas:*	LC_{50} = 16,4 mg/L (96 h)
Invertebrates: semi-static test, *Daphnia pulex:*	EC_{50} = 2,4 mg/L (48 h)
Algae: static test, *Skeletonema costatum:*	NOEC = 0,63 mg/L (72 h) – growth rate
Bacteria: activated sludge test:	EC_{50} = 466 mg/L (30 min); > 1000 mg/L (3 h) (OECD No.209)

Chronic toxicity:

Invertebrates: flow-through, *Daphnia magna*:	NOEC = 0,63 mg/L (21 days)

12.2. Persistence and degradability

No data available for the mixture.

Hydrogen peroxide (CAS No.7722-84-1): readily degradable.

12.3. Bioaccumulative potential

No data available for the mixture.

Hydrogen peroxide (CAS No.7722-84-1): no bioaccumulative potential (rapid decomposition into oxygen and water).

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

The mixture does not contain any PBT nor vPvB substance.

12.6. Other adverse effects

No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC, Decision 2014/955/EU and Directive (EU) 2015/1127.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste:

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:

Completely empty container. Keep label(s) on container. Give to a certified disposal contractor.

SECTION 14: TRANSPORT INFORMATION

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2017 - IMDG 2016 - ICAO/IATA 2017).

14.1. UN number

2984

14.2. UN proper shipping name

UN2984 = HYDROGEN PEROXIDE, AQUEOUS SOLUTION with not less than 8% but less than 20% hydrogen peroxide (stabilized as necessary)

14.3. Transport hazard class(es)

- Classification:

5.1

14.4. Packing group

III

14.5. Environmental hazards

-

14.6. Special precautions for user

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	5.1	O1	III	5.1	50	5 L	65	E1	3	E

IMDG	Class	2° Label.	Pack gr.	LQ	EMS	Provis.	EQ
	5.1	-	III	5 L	F-H,S-Q	65	E1

IATA	Class	2° Label.	Pack gr.	Passager	Passager	Cargo	Cargo	Note	EQ
	5.1	-	III	551	2.5 L	555	30 L	-	E1
	5.1	-	III	Y541	1 L	-	-	-	E1

For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG.

For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Classification and labelling information included in section 2:

The following regulations have been used:
- Regulation EC No.1272/2008 and its modifications

Biocidal regulation (EU) No. 528/2012

Surface disinfectant (biocide PT2) – professional use.

Hydrogene peroxide, CAS No.7722-84-1: 12%

Container information:

No data available.

Particular provisions:

No data available.

15.2. Chemical safety assessment

No data available.

SECTION 16: OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Wording of the phrases mentioned in section 3:

H271 May cause fire or explosion; strong oxidiser.
H272 May intensify fire; oxidiser.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.

Abbreviations:

ADR: European agreement concerning the international carriage of dangerous goods by Road.

IMDG: International Maritime Dangerous Goods.

IATA: International Air Transport Association.

ICAO: International Civil Aviation Organisation

RID: Regulations concerning the International carriage of Dangerous goods by rail.

PBT: Persistent, bioaccumulable and toxic.

vPvB: Very persistent, very bioaccumulable.

SVHC: Substances of very high concern.

Revision:

A vertical line in the left margin indicates a change to the previous version.
This version replaces all previous versions.

Changes from version No.1 to version No.2:
addition of physico-chemical results in section 9, change of logo and other minor corrections (format, wording).

Version B : November 2017

- **NOCOLYSE FOOD®** is a BIO-disinfectant for surfaces.
- **NOCOLYSE FOOD®** is a product based on hydrogen peroxide (7.9%), ready for-use, conceived to be used exclusively with the diffusion appliances of the **NOCOTECH®** range.
- The association **NOCOLYSE FOOD®** / **NOCOSPRAY®** (or **NOCOMAX®**) is effective on all types of microorganisms : it enables surface disinfection treatments with a bactericidal, fungicidal, virucidal, yeasticidal, mycobactericidal, bacteriophagicidal et sporicidal efficiency.
- **NOCOLYSE FOOD®** is availbale in neutral fragrance.

REFERENCES AND PACKAGING

	Reference	Packaging
Neutral	**4020.001**	1 Litre
	4020.001-6	Box of 6 x 1 Litre
	4020.005	5 Litre Canister
	4020.020	20 Litre Canister

COMPOSITION

Stabilized hydrogen peroxide in solution 7.9% (79ml/l) • EC=231-765-0 / CAS=7722-84-1.

STORAGE

- Store the product in the original packaging, vertically and in a cool and well ventilated place.
- Shelf-life : In the closed original packaging : 2 years from manufacturing date.
  Once opened : 2 months from opening date.

OXY'PHARM
829 rue Marcel Paul
94500 Champigny-sur-Marne
commercial@oxypharm.net
T : +33 1 45 18 78 70
www.oxypharm.net

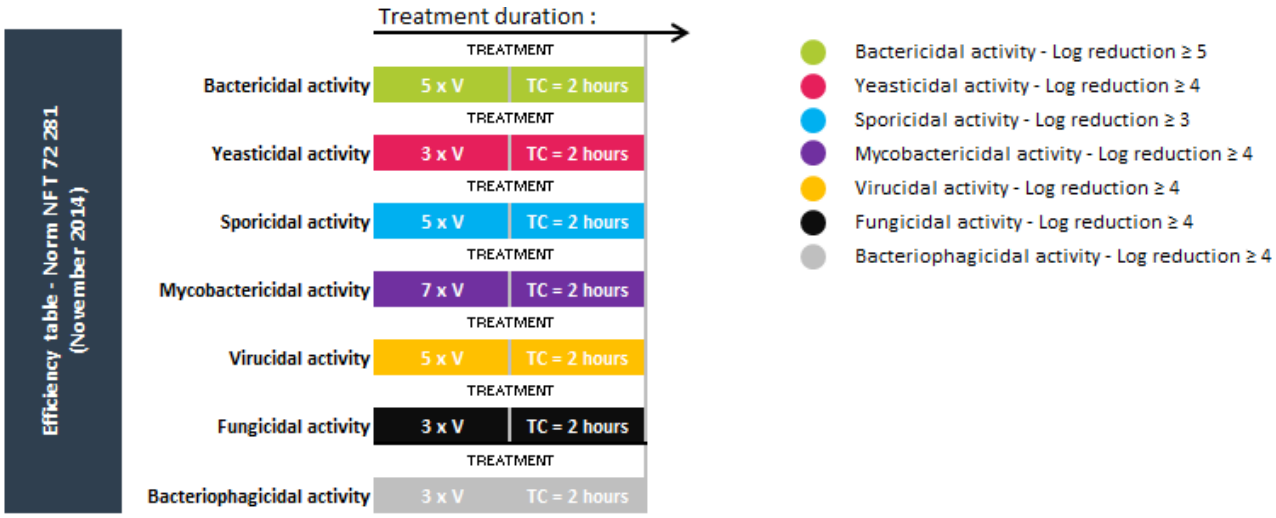
PRECAUTION FOR USE

- Refer to the material safety data sheet, available on request by email: commercial@oxypharm.net.

INSTRUCTIONS FOR USE

Protocol for curative use

a. Follow the instructions for use of the diffusion appliance of the range NOCOTECH® (cf. user's manual and quickstart document).
b. Attach the 1L bottle to the diffusion appliance NOCOSPRAY® or the 20L tank on the diffusion appliance NOCOMAX®.
c. On the device, set the volume (V) of the room to be treated according to the required treatment (cf. below efficiency table).
   As an example : « 3 x V » means « 3 times the volume of the room to be treated ».
   A 20m² room with a height of approximately 2,50m will have a volume of 20 x 2,50m = 50m^3.
   The device will have to be set on 3 x 50 = 150m^3.
d. After the end of diffusion, respect a dwell time as indicated in the below efficiency table (CT).



IMPORTANT :

- During diffusion time and dwell time, leave the room closed and do not enter. The treatment must be conducted with no human presence inside the room.
- To achieve the highest quality disinfection a stringent cleaning process should be carried out prior to treatment.
- **Protocols indicated in the above efficiency table are conform to results obtained in laboratory tests conducted according to NF T 72 281 norm (November 2014).** Every user can however define and validate a protocol according to his/her own efficiency requirements.
- Log reductions shown in the above table are a minimum achieved as set by the norm protocol.
  Higher reductions are achievable – up to Log 6 reductions.

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

1.1. Product identifier

Product name: **NOCOLYSE FOOD**

1.2. Relevant identified uses of the substance or mixture and uses advised against

Surface disinfectant (biocide PT2, PT3, PT4) – professional use.

Ready-to-use solution, used as bactericidal, bacteriophagicidal, fungicidal, yeasticidal, virucidal, mycobactericidal and sporicidal disinfectant. For use with devices conform to the Oxy'Pharm concept

Use descriptor system (REACH):

SU20 (Health services)
SU22 (Professional uses)

1.3. Details of the supplier of the safety data sheet

Registered company name:	OXY'PHARM
Address:	829 Rue Marcel Paul, 94500 Champigny sur Marne, FRANCE.
Phone:	+33.1.45.18.78.70
E-mail :	commercial@oxypharm.net
http://www.oxypharm.net/	

1.4. Emergency telephone number:

Country	Emergency telephone number	Website
UK - England, Wales	111	http://www.nhs.uk/
UK - Scotland	111	http://www.nhs24.com/
UK - Northern Ireland	18000 or 999	http://www.gpoutofhours.hscni.net/
Ireland	01 809 2166	http://www.poisons.ie/

Other emergency numbers

In case of emergency, call nearest poison center or 112.

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In compliance with Regulation (EC) No.1272/2008 and its amendments.

Eye irritation, Category 2 (Eye Irrit. 2, H319).

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements

In compliance with Regulation (EC) No.1272/2008 and its amendments.

Hazard pictograms:

Signal Word:	Warning
Hazard statements:	
H319	Causes serious eye irritation.
Precautionary statements:	
P264	Wash hands thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice/attention.
Additional labelling:	None

2.3. Other hazards

The mixture does not contain any substances classified as 'Substances of Very High Concern' (SVHC) as defined by criteria of article 57 and published as per article 59 of REACH (Regulation EC No.1907/2006) at an individual concentration ≥ 0.1% - list published by the European CHemicals Agency (ECHA): (http://echa.europa.eu/fr/candidate-list-table).

The mixture does not contain any PBT or vPvB substances as defined in annex XIII of the REACH Regulation (EC) No.1907/2006.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable (mixture).

3.2. Mixtures

Composition:

INDEX	CAS No.	CE No.	Name	Pictogram	Classification	% w/w/
008-003-00-9	7722-84-1	231-765-0	Hydrogen peroxide*/**	SGH03 SGH05 SGH07 Danger	H271 H302 H314 H332	7.9

* Substance for which a workplace exposure limit exists.

** Specific limits:
H271: C ≥ 70 %
H272: 50 % ≤ C < 70 %
H314 (1A): C ≥ 70 %
H314 (1B): 50 % ≤ C < 70 %
H315: 35 % ≤ C < 50 %
H318: 8 % ≤ C < 50 %
H319: 5 % ≤ C < 8 %
H335: C ≥ 35 %

Other data:

No data available.

SECTION 4: FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing if the victim is unconscious.

4.1. Description of first aid measures

In the event of exposure by inhalation:

In case of discomfort, remove the exposed person to fresh air. Keep warm and at rest. Consult a doctor if symptoms appear.

In the event of splashes or contact with eyes:

Wash thoroughly with soft, clean water holding the eyelids open. Consult an ophthalmologist.in case of pain, redness or visual impairment.

In the event of splashes or contact with skin:

Remove any soiled or splashed clothing immediately. Wash skin with soap and water.

In the event of swallowing:

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.
Keep the exposed person at rest. Do not induce vomiting. Consult a doctor showing the label.

4.2. Most important symptoms and effects, both acute and delayed

No data available for the product.

Information for hydrogen peroxide 50% (CAS No.7722-84-1) are reported below:

Effect on the skin:

Causes caustic burns. With increasing contact length, local erythema or extreme irritation (whitening) up to blistering (caustic burn) can occur.

Effect on the eyes:

Extreme irritation up to cauterisation. Can cause severe conjunctivitis, cornea damage or irreversible eye damage. Symptoms may occur with delay.

Effect when swallowed:

Swallowing can lead to bleeding of the mucosa in the mouth, oesophagus and stomach.

The rapid releasing of oxygen can cause distension and bleeding of the mucosa in the stomach and lead to severe damage of the internal organs, especially in the event of greater intake of the product.

Effect when inhaled:

Inhalation of vapour/aerosols can lead to irritation of the respiratory tract and cause inflammation of the respiratory tract and pulmonary oedema. Symptoms may occur with delay.

4.3. Indication of any immediate medical attention and special treatment needed

Specific and immediate treatment:

No data available.

Information for the doctor:

No data available.

SECTION 5: FIREFIGHTING MEASURES

Contains 7.9% of hydrogen peroxide (oxidising substance).

5.1. Extinguishing media

Suitable methods of extinction

In the event of a fire, use:
- sprayed water or water mist
- foam
- multipurpose ABC powder / BC powder
- carbon dioxide (CO_2)

Unsuitable methods of extinction

In the event of a fire, do not use:
- water jet

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed:
- oxygen (O_2)
- carbon monoxide (CO)
- carbon dioxide (CO_2)

5.3. Advice for firefighters

No data available.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult safety advice of sections 7 and 8.

For non first aid worker

Avoid any contact with the eyes.

In case of accidental release of large quantities, evacuate staff and allow access only to trained operators equipped with self-contained breathing apparatus.

Ensure adequate ventilation.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Clean preferably with detergent, avoid the use of solvents.

6.4. Reference to other sections

Refer to sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Ensure adequate ventilation, especially in confined areas.

Fire prevention:

Handle in well-ventilated areas.

Prevent access by unauthorised personnel.

Recommended equipment and procedures:

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Avoid any contact with the eyes.

Packages which have been opened must be reclosed carefully and stored in an upright position.

Prohibited equipment and procedures:

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

Storage/Packaging

Keep in original container tightly closed in a dry, well-ventilated area at ambient temperature between 5° and 30°C.

Keep away from food, drink and animal feeding stuffs.

7.3. Specific end use(s)

No data available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits:

CAS No.	CE No.	Name	Country	Occupational exposure limits	Source
7722-84-1	231-765-0	Hydrogen peroxide	UK	Limit value (8h) = 1 ppm - 1.4 mg/m^3 Limit value (short term) = 2 ppm – 2.8 mg/m^3	GESTIS ILV
			Ireland	Limit value (8h) = 1 ppm - 1.5 mg/m^3 Limit value (short term) = 2* ppm – 3* mg/m^3 *15 minutes reference period	GESTIS ILV

Biological limits:

No data available.

Derived no effect level (DNEL) or derived minimum effect level (DMEL):

Hydrogen peroxide (CAS No.7722-84-1):

Worker:

Inhalation / acute toxicity – local effects: 3 mg/m^3

Inhalation / long term toxicity– local effects: 1.4 mg/m^3

Consumer:

Inhalation / acute toxicity – local effects: 1.93 mg/m^3

Inhalation / long term toxicity– local effects: 0.21 mg/m^3

Predicted no effect concentration (PNEC):

Hydrogen peroxide (CAS No.7722-84-1):

Fresh water:	0,0126 mg/L
Marine water:	0,0126 mg/L
Water – intermittent releases:	0,0138 mg/L
Sewage treatment plant:	4,66 mg/L
Fresh water sediment:	0,47 mg/kg (dry weight)
Marine sediment:	0,47 mg/kg (dry weight)
Soil:	0,0023 mg/kg (dry weight)

8.2. Exposure controls

Suitable technical inspections:

Ensure adequate ventilation, especially in confined areas.

Personal protection measures, such as personal protective equipment

No specific personal protective equipment is considered necessary for the final use of this product.

In case personal protective equipment are used (manufacturing):

- use personal protective equipment that is clean and has been properly maintained.
- Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using.

Ensure adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Before handling large quantities, wear safety goggles with protective sides accordance with standard EN166.

- Hand protection

Use suitable protective gloves in accordance with standard EN374 in case of repeated or prolonged exposure.

- Body protection

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

- Respiratory protection

Ensure adequate ventilation, especially in confined areas.

- Thermal risks

Not applicable.

Exposure controls linked to environmental protection

No data available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information:

Physical state:	Liquid (fluid)
Odour:	No characteristic odour
Colour:	Colorless

Important health, safety and environmental information

pH (mixture):	3.5 ± 0.5 (CIPAC MT 75.3)
pH (1% dilution):	6 ± 1 (CIPAC MT 75.3)
Melting point/melting range:	Not determined
Freezing point:	Not determined
Boiling point/boiling range:	Not determined
Flash point:	Boiling above 110°C without flashing (A.9)
Evaporation rate:	Not determined
Flammability:	Not determined
Lower/upper flammability limits:	Not determined
Lower/upper explosive limits:	Not determined
Vapour pressure:	Not determined
Vapour density:	Not determined
Density:	D^{20}_4 = 1.026 – volumetric mass = 1.025 kg/L (OECD No.109)
Solubility:	Not determined
Octanol/water partition coefficient:	Not determined
Self-ignition temperature:	Not determined
Decomposition point:	Not determined
Viscosity:	0.74 mm²/s at 20°C - 0.52 mm²/s at 40°C (OECD No.114)
Explosive properties:	Not determined
Oxidising properties:	Not determined

9.2. Other information

Surface tension (mixture):	33.3 mN/m (OECD No.115)

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide, carbon dioxide fumes, nitrogen oxides.
Hydrogen peroxide (7.9% in product) is an oxidizing and reactive substance. The commercial product is stabilized to reduce the risk of decomposition.
Risk of decomposition to heat.
Risk of exothermic decomposition and formation of oxygen in case of contact with incompatible or combustible substances.
Mixing with organic substances (solvents) can induce explosive properties.

10.4. Conditions to avoid

Avoid:
- direct sunlight, high temperatures.

10.5. Incompatible materials

Avoid contact with:
- metals, metal salts, acids, bases, reducing agents, flammable substances, organic solvents.

10.6. Hazardous decomposition products

The thermal decomposition may release/form

- oxygen (O_2)
- carbon monoxide (CO)
- carbon dioxide (CO_2)

SECTION 11: TOXICOLOGICAL INFORMATION

Splashes in the eyes may cause irritation and reversible damage

11.1. Information on toxicological effects

11.1.1. Substances

Not applicable (mixture).

11.1.2. Mixture

No toxicological data available for the mixture.

The product is classified as eye irritant (Eye irritation, Category 2 (Eye Irrit. 2, H319), classification by conventional calculation method).

Acute toxicity:

The product is not classified (conventional method by calculation).

Hydrogen peroxide 50% (CAS No.7722-84-1):

Oral, rat : LD_{50} > 225 mg/kg (OECD No.401)

Inhalation, rat: LC_{50} > 0.17 mg/L (4h) – no mortality (US EPA)

Hydrogen peroxide 70% (CAS No.7722-84-1):

Dermal, rabbit: LD_{50} > 6 500 mg/kg

Hydrogen peroxide 35% (CAS No.7722-84-1):

Dermal, rabbit: LD_{50} > 2 000 mg/kg (US EPA)

Skin corrosion/skin irritation:

The product is not classified (conventional method by calculation).

Hydrogen peroxide (CAS No.7722-84-1):

H314 (1A): C ≥ 70 %

H314 (1B): 50 % ≤ C < 70 %

H315: 35 % ≤ C < 50 %

Serious damage to eyes/eye irritation:

The product is classified as eye irritant (Eye irritation, Category 2 (Eye Irrit. 2, H319), classification by conventional calculation method).

Hydrogen peroxide (CAS No.7722-84-1):

H318: 8 % ≤ C < 50 %

H319: 5 % ≤ C < 8 %

Respiratory or skin sensitisation:

The product does not contain any substance classified as sensitising.

Germ cell mutagenicity:

No data available for the mixture, however no hazard is expected with regard to its components.

Hydrogen peroxide (CAS No.7722-84-1):

Genotoxicity in vitro:

Bacterial reverse mutation assay *S. typhimurium / E. coli*: positive and negative with or without metabolic activation

Chromosomal aberration mammalian cells: positive without metabolic activation (OECD N°473)

Genetic mutation in mammal cells: positive without metabolic activation (OECD N°476)

Hydrogen peroxide 35% (CAS No.7722-84-1):

Genotoxicity in vivo:

Micronucleus test Mouse intraperitoneal: negative (OECD No.474)

Carcinogenicity:

No data available for the mixture, however no hazard is expected with regard to its components.

Reproductive toxicant:

No data available for the mixture, however no hazard is expected with regard to its components.

Specific target organ systemic toxicity - single exposure:

The product is not classified (conventional method by calculation).

Hydrogen peroxide (CAS No.7722-84-1):

H335; C ≥ 35 %

Specific target organ systemic toxicity - repeated exposure:

The product does not contain any substance classified for this hazard.

Hydrogen peroxide 35% (CAS No.7722-84-1):

Oral, mouse, 90 days: NOEL = 37 mg/kg (female) – 26 mg/kg (male) (OECD No.408)

Changes of parameters of the blood, body weight development negative, Irritative effect (gastrointestinal tract)

Aspiration hazard:

The product does not contain any substance classified for this hazard.

Symptoms related to the physical, chemical and toxicological characteristics

No data available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

No data available.

Interactive effects

No data available.

Absence of specific data

No data available.

Other information

No data available.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Substances

Not applicable (mixture).

12.1.2. Mixture

No aquatic toxicity information is available for the mixture.

This mixture is not classified as hazardous for the environment (classification by calculation).

No environmental damage is known or foreseeable under normal conditions of use.

Hydrogen peroxide (CAS No.7722-84-1):

Acute toxicity:

Fish: semi-static test, *Pimephales promelas:*	LC_{50} = 16,4 mg/L (96 h)
Invertebrates: semi-static test, *Daphnia pulex:*	EC_{50} = 2,4 mg/L (48 h)
Algae: static test, *Skeletonema costatum:*	NOEC = 0,63 mg/L (72 h) – growth rate
Bacteria: activated sludge test:	EC_{50} = 466 mg/L (30 min); > 1000 mg/L (3 h) (OECD No.209)

Chronic toxicity:

Invertebrates: flow-through, *Daphnia magna*:	NOEC = 0,63 mg/L (21 days)

12.2. Persistence and degradability

No data available for the mixture.

Hydrogen peroxide (CAS No.7722-84-1): readily degradable.

12.3. Bioaccumulative potential

No data available for the mixture.

Hydrogen peroxide (CAS No.7722-84-1): no bioaccumulative potential (rapid decomposition into oxygen and water).

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

The mixture does not contain any PBT nor vPvB substance.

12.6. Other adverse effects

No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC, Decision 2014/955/EU and Directive (EU) 2015/1127.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste:

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:

Completely empty container. Keep label(s) on container. Give to a certified disposal contractor.

SECTION 14: TRANSPORT INFORMATION

Exempt from transport classification and labelling.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Classification and labelling information included in section 2:

The following regulations have been used:
- Regulation EC No.1272/2008 and its modifications

Biocidal regulation (EU) No. 528/2012

Surface disinfectant (biocide PT2, PT3, PT4) – professional use.

Hydrogene peroxide , CAS No.7722-84-1 : 7.9%

Container information:

No data available.

Particular provisions:

No data available.

15.2. Chemical safety assessment

No data available.

SECTION 16: OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Wording of the phrases mentioned in section 3:

H271	May cause fire or explosion; strong oxidiser.
H272	May intensify fire; oxidiser.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.

Abbreviations:

ADR: European agreement concerning the international carriage of dangerous goods by Road.

IMDG: International Maritime Dangerous Goods.

IATA: International Air Transport Association.

ICAO: International Civil Aviation Organisation

RID: Regulations concerning the International carriage of Dangerous goods by rail.

PBT: Persistent, bioaccumulable and toxic.

vPvB: Very persistent, very bioaccumulable.

SVHC: Substances of very high concern.

Revision:

A vertical line in the left margin indicates a change to the previous version.
This version replaces all previous versions.

Changes from version No.1 to version No.2:
addition of physico-chemical results in section 9, change of logo and other minor corrections (format, wording).

除蟲劑

Oxypy

完全可生物降解的殺蟲劑產品，裡面采用了對人和動物無害的天然除蟲菊酯，有效滅蟲並不會帶來難聞的殺蟲劑味（滅蟲後留下一股淡淡的菊花香味。）

/ 對大部份的飛行或爬行昆蟲有效

/ 含蟲菊酯，氯菊酯和胡椒基丁醚

/ 能在護壁板、管道裂縫、傢俱底部、電器設備、門窗、窗簾、吊墜、地毯、床墊，牆紙發揮功效

飛行和爬行的昆蟲

保持至少
兩到三個月

無毒

安全

能殺滅13類家居害蟲

- 虎蚊
- 黃蜂
- 塵蟎
- 食物和衣服蛾
- 蒼蠅（幼蟲和成蟲）
- 螞蟻
- 房屋蜘蛛
- 蟑螂
- 跳蚤
- 臭蟲
- 疥蟎

- **OXYPY®** is a bio-insecticide for internal use effective on flying and crawling insects, as well as acarids (including scabies).
- **OXYPY®** is a ready-for-use solution, conceived to be used exclusively with the diffusion appliances of the **NOCOTECH®** range or in local applications with a spray.

REFERENCES AND PACKAGING

Reference	Packaging
4200.001	1 Liter
4200.020	20 Litre Canister

COMPOSITION

Permethrin 5% • EC=258-067-9 / CAS=52645-53-1.
Pyrethrin 0.125% • EC=232-319-8 / CAS=8003-34-7.
Pyperonyl butoxide 0.5% • EC=200-076-7 / CAS=51-03-6.

STORAGE

- Store the product in the original packaging, vertically and in a cool and well ventilated place.
- Shelf-life : In the closed original packaging : 2 years from manufacturing date.
  Once opened : 2 months from opening date.

OXY'PHARM
829 rue Marcel Paul
94500 Champigny-sur-Marne
commercial@oxypharm.net
T : +33 1 45 18 78 70
www.oxypharm.net

FABRIQUE EN FRANCE - MADE IN FRANCE

PRECAUTION FOR USE

- Refer to the material safety data sheet, available on request by email: commercial@oxypharm.net.

INSTRUCTIONS FOR USE

Protocol of use

a. Follow the instructions for use of the diffusion appliance of the range NOCOTECH® (cf. user's manual and quickstart document).
b. Shake the bottle before each use.
c. Attach the 1L bottle to the diffusion appliance NOCOSPRAY® or the 20L tank on the diffusion appliance NOCOMAX®.
d. On the device, set the volume (V) of the room to be treated.
   As an example: a 20m² room with a height of approximately 2,50m will have a volume of 20 x 2,50m = 50m^3.
   The device will have to be set on 50m^3.
e. After the end of diffusion, respect a dwell time of 2 hours minimum and then ventilate the room (opening the windows) during 10 minutes.
f. After the treatment, remove the bottle from the appliance and close it.
g. The treatment has to be repeated every 4 weeks.
   If the space to be treated includes a bed: before the treatment, remove the mattress off the bed and place it on the edge.

IMPORTANT :

- During diffusion time, leave the room closed and do not enter. The treatment must be conducted with no human presence inside the room.

OXY'PHARM
829 rue Marcel Paul
94500 Champigny-sur-Marne
commercial@oxypharm.net
T : +33 1 45 18 78 70
www.oxypharm.net

FABRIQUE EN FRANCE - MADE IN FRANCE

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

1.1. Product identifier

Product name: **OXYPY**

1.2. Relevant identified uses of the substance or mixture and uses advised against

Insecticide (biocide PT18) – professional use.

Ready-to-use solution, intended for treatment against flying and climbing insects, and also mites, to be used with equipment conform to the Nocospray/Nocomax concept, or in local applications with a spray.

Use descriptor system (REACH):

SU22 (Professional uses)

1.3. Details of the supplier of the safety data sheet

Registered company name:	OXY'PHARM
Address:	829 Rue Marcel Paul, 94500 Champigny sur Marne, FRANCE.
Phone:	+33.1.45.18.78.70
E-mail :	commercial@oxypharm.net
http://www.oxypharm.net/	

1.4. Emergency telephone number:

Country	Emergency telephone number	Website
UK - England, Wales	111	http://www.nhs.uk/
UK - Scotland	111	http://www.nhs24.com/
UK - Northern Ireland	18000 or 999	http://www.gpoutofhours.hscni.net/
Ireland	01 809 2166	http://www.poisons.ie/

Other emergency numbers

In case of emergency, call nearest poison center or 112.

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In compliance with Regulation (EC) No.1272/2008 and its amendments.

Skin sensitisation, Category 1 (Skin Sens. 1, H317).

Hazardous to the aquatic environment - Acute hazard, Category 1 (Aquatic Acute 1, H400).

Hazardous to the aquatic environment - Chronic hazard, Category 1 (Aquatic Chronic 1, H410).

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

2.2. Label elements

In compliance with Regulation (EC) No.1272/2008 and its amendments.

Hazard pictograms:

Signal Word:	Warning
Product identifier:	Permethrin (CAS No.52645-53-1)
Hazard statements:	
H317	May cause an allergic skin reaction.
H410	Very toxic to aquatic life with long lasting effects.
Precautionary statements:	
P261	Avoid breathing vapours.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P391	Collect spillage.
P501	Dispose of the contents/container at a waste disposal site in accordance with local regulations.
Additional labelling:	None

2.3. Other hazards

The mixture does not contain any substances classified as 'Substances of Very High Concern' (SVHC) as defined by criteria of article 57 of REACH (Regulation EC No.1907/2006) at concentration ≥ 0.1% - list published by the European CHemicals Agency (ECHA) as per article 59 of REACH: (http://echa.europa.eu/fr/candidate-list-table).

The mixture does not contain any PBT or vPvB substances as defined in annex XIII of the REACH Regulation (EC) No.1907/2006.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable (mixture).

3.2. Mixtures

Composition:

INDEX	CAS No.	CE No.	Name	Pictogram	Classification	% w/w
613-058-00-2	52645-53-1	258-067-9	Permethrin	GHS07 GHS09	H302 H317 H332 H400 (M = 100) H410 (M = 10 000)	5
-	51-03-6	200-076-7	Piperonyl butoxide	GHS09	H400 H410	0.5
-	8003-34-7	232-319-8	Pyrethrins and pyrethroïds*	GHS07 GHS08 GHS09	H302 H304 H312 H332 H400 (M=100) H410 (M=100)	0.25

* Substance for which a workplace exposure limit exists.

Other data:

No data available.

SECTION 4: FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing if the victim is unconscious.

4.1. Description of first aid measures

In the event of exposure by inhalation:

In case of discomfort, remove the exposed person to fresh air. Keep warm and at rest. Consult a doctor if symptoms appear.

In the event of splashes or contact with eyes:

Wash thoroughly with soft, clean water during several minutes holding the eyelids open. Consult an ophthalmologist.in case of pain, redness or visual impairment.

In the event of splashes or contact with skin:

Remove any soiled or splashed clothing immediately. Wash skin with soap and water.
Watch out for any remaining product between skin and clothing, watches, shoes, etc.
In the event of an allergic reaction, seek medical attention.

In the event of swallowing:

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.
Keep the exposed person at rest. Do not induce vomiting. Consult a doctor showing the label.

4.2. Most important symptoms and effects, both acute and delayed

No data available for the product.

4.3. Indication of any immediate medical attention and special treatment needed

Specific and immediate treatment:

No data available.

Information for the doctor:

No data available.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

In case of fire, use specifically adapted extinguishing media.

Suitable methods of extinction

In the event of a fire, use:
- sprayed water or water mist
- foam
- multipurpose ABC powder / BC powder
- carbon dioxide (CO_2)

Unsuitable methods of extinction

In the event of a fire, do not use:
- water jet

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.
Do not breathe in smoke.
In the event of a fire, the following may be formed:
- carbon monoxide (CO)
- carbon dioxide (CO_2)

5.3. Advice for firefighters

No data available.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult safety advice of sections 7 and 8.

For non first aid worker

Avoid any contact with the skin.
In case of accidental release of large quantities, evacuate staff and allow access only to trained operators equipped with self-contained breathing apparatus.
Ensure adequate ventilation.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.
Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Clean preferably with detergent, avoid the use of solvents.

6.4. Reference to other sections

Refer to sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.
Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture.

7.1. Precautions for safe handling

Always wash hands after handling.
Remove and wash contaminated clothing before re-using.
Ensure adequate ventilation, especially in confined areas.

Fire prevention:

Handle in well-ventilated areas.
Prevent access by unauthorised personnel.

Recommended equipment and procedures:

For personal protection, see section 8.
Observe precautions stated on label and also industrial safety regulations.
Avoid any contact with the skin.
Packages which have been opened must be reclosed carefully and stored in an upright position.

Prohibited equipment and procedures:

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

Storage/Packaging

Keep in original container tightly closed in a dry, well-ventilated area at ambient temperature between 5° and 30°C.
Keep away from food, drink and animal feeding stuffs.
The floor of the premises will be impervious and will form a retention basin so that in the event of an accidental spill, the liquid can not spread outside.

7.3. Specific end use(s)

No data available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits:

CAS No.	CE No.	Name	Country	Occupational exposure limits	Source
8003-34-7	232-319-8	Pyrethrins and pyrethroids	UK	Limit value (8h) = 1 mg/m^3	GESTIS ILV
			Ireland	Limit value (8h) = 1 mg/m^3	GESTIS ILV
			EU	Limit value (8h) = 1 mg/m^3	2006/15/EC

Biological limits:

No data available.

Derived no effect level (DNEL) or derived minimum effect level (DMEL):

No data available.

Predicted no effect concentration (PNEC):

Permethrin (CAS No.52645-53-1):

PNEC surface water = 0.00047 µg/L
PNEC micro-organisms (STP) = 0.00495 mg/L
PNEC soil (wet weight) ≥ 0.0876 mg/kg
PNEC sediment = 0.001mg/kg (dry weight)
PNEC oral bird ≥ 16.7 mg/kg food
PNEC oral small mammals = 120 mg/kg food.

8.2. Exposure controls

Suitable technical inspections:

Ensure adequate ventilation, especially in confined areas.

Personal protection measures, such as personal protective equipment

Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using.

Ensure adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes.

Before handling large quantities, wear safety goggles with protective sides accordance with standard EN166.

- Hand protection

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.
Gloves must be selected according to the application and duration of use at the workstation.
Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

- Body protection

Avoid skin contact.
Work clothing worn by personnel shall be laundered regularly.
After contact with the product, all parts of the body that have been soiled must be washed.

- Respiratory protection

Ensure adequate ventilation, especially in confined areas.

- Thermal risks

Not applicable.

Exposure controls linked to environmental protection

No data available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information:

Physical state:	Liquid (fluid)
Odour:	Slight solvent odour
Colour:	Milky yellow

Important health, safety and environmental information

pH (mixture):	4.0 ± 0.5
Melting point/melting range:	Not determined
Freezing point:	Not determined
Boiling point/boiling range:	Not determined
Flash point:	Not determined
Evaporation rate:	Not determined
Flammability:	Not determined
Lower/upper flammability limits:	Not determined
Lower/upper explosive limits:	Not determined
Vapour pressure:	Not determined
Vapour density:	Not determined
Density:	Not determined
Solubility:	Not determined
Octanol/water partition coefficient:	Not determined
Self-ignition temperature:	Not determined
Decomposition point:	Not determined
Viscosity:	Not determined
Explosive properties:	Not determined
Oxidising properties:	Not determined

9.2. Other information

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
No data available.

10.2. Chemical stability
This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions
When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide, carbon dioxide and fumes.

10.4. Conditions to avoid
No data available.

10.5. Incompatible materials
No data available.

10.6. Hazardous decomposition products
The thermal decomposition may release/form
- carbon monoxide (CO)
- carbon dioxide (CO_2)

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

11.1.1. Substances
Not applicable (mixture).

11.1.2. Mixture
No toxicological data available for the mixture.
The product is classified as skin sensitising (Skin sensitisation, Category 1 (Skin Sens. 1, H317), classification by conventional calculation method).

Acute toxicity:
The product is not classified (conventional method by calculation).
Permethrin (CAS No.52645-53-1):
Oral acute toxicity: LD_{50} = 480 - 554 mg/kg b.w. (rat)
Dermal acute toxicity: LD_{50} > 2 000 mg/kg b.w. (rat)
Acute inhalation toxicity: LC_{50} > 4.638 mg/L – 23.5 mg/L (4h) (rat)
Pyrethrins and pyrethroids (CAS No.8003-34-7):
Oral acute toxicity: LD_{50} = 1030 mg/kg p.c. (rat)
Dermal acute toxicity: LD_{50} > 2 000 mg/kg p.c. (rat)
Acute inhalation toxicity: LC_{50} = 2.3 mg/L (4h) (rat)

Skin corrosion/skin irritation:
The product is not classified (conventional method by calculation).

Serious damage to eyes/eye irritation:
The product is not classified (conventional method by calculation).

Respiratory or skin sensitisation:
May cause an allergic reaction by skin contact.
The product is classified as skin sensitising (Skin sensitisation, Category 1 (Skin Sens. 1, H317), classification by conventional calculation method).

Germ cell mutagenicity:
The product does not contain any substance classified for this hazard.
The product is not classified (conventional method by calculation).

Carcinogenicity:
The product does not contain any substance classified for this hazard.
The product is not classified (conventional method by calculation).

Reproductive toxicant:
The product does not contain any substance classified for this hazard.
The product is not classified (conventional method by calculation).

Specific target organ systemic toxicity - single exposure:
The product does not contain any substance classified for this hazard.
The product is not classified (conventional method by calculation).

Specific target organ systemic toxicity - repeated exposure:
The product does not contain any substance classified for this hazard.
The product is not classified (conventional method by calculation).

Aspiration hazard:
The product is not classified (conventional method by calculation).

Symptoms related to the physical, chemical and toxicological characteristics
No data available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

No data available.

Interactive effects

No data available.

Absence of specific data

No data available.

Other information

No data available.

IARC Monograph (s) (International Agency for Research on Cancer):

Permethrin (CAS No. 52645-53-1): IARC Group 3: The agent is not classifiable as to its carcinogenicity to humans.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Substances

Not applicable (mixture).

12.1.2. Mixture

No aquatic toxicity information is available for the mixture.

This mixture is classified as hazardous for the environment (classification by calculation):

Hazardous to the aquatic environment - Acute hazard, Category 1 (Aquatic Acute 1, H400).

Hazardous to the aquatic environment - Chronic hazard, Category 1 (Aquatic Chronic 1, H410).

The product must not be allowed to run into drains or waterways.

Permethrin (CAS No.52645-53-1): Aquatic Acute 1, H400) (M = 100) - Aquatic Chronic 1, H410 (M = 10 000)

Acute toxicity:

Fish: *Oncorhynchus mykiss*:	$LC_{50} = 5.1*10^{-3}$ mg/L (96 h)
Aquatic invertebrates: *Daphnia Magna*:	$EC_{50} = 1.27*10^{-3}$ mg/L (48 h)
Algae: *Pseudokirchneriella subcapitata*:	E_rC_{50} > 1.13 mg/L (72 h)

Chronic toxicity:

Fish: *Oncorhynchus mykiss*:	$NOEC = 4.1*10^{-4}$ mg/L (35 d)
Aquatic invertebrates: *Daphnia Magna* :	$NOEC = 4.7*10^{-6}$ mg/L (21 d)
Algae: *Pseudokirchneriella subcapitata*:	$NOEC < 1.31*10^{-2}$ mg/L (72 h)

Piperonyl butoxide (CAS No.51-03-6):

Acute toxicity:

Fish: *Cyprinodon variegatus*:	LC_{50} = 3.94 mg/L (96 h)
Aquatic invertebrates: *Daphnia Magna*:	EC_{50} = 0.51 mg/L (48 h)
Aquatic invertebrates: *Americamysis bahia*:	EC_{50} = 0.32 mg/L (48 h)
Aquatic invertebrates: *Crassostrea virginica*:	EC_{50} = 0.23 mg/L (48 h)
Algae: *Selenastrum capricornutum*:	E_rC_{50} = 3.89 mg/L (48 h)

Chronic toxicity:

Fish: *Pimephales promelas*:	NOEC = 0.18 mg/L (35 days)
Aquatic invertebrates: *Daphnia magna*:	NOEC = 0.030 mg/L (21 days)
Algae: *Selenastrum capricornutum*:	NOE_rC = 0.824 mg/L

Pyrethrins and pyrethroids (CAS No.8003-34-7): Aquatic Acute 1, H400 (M=100) - Aquatic Chronic 1, H410 (M=100)

Acute toxicity:

Fish: *Salmo gairdneri*:	LC_{50} = 0.0052 mg/L (96 h)
Aquatic invertebrates: *Daphnia Magna*:	EC_{50} = 0.012 mg/L (48 h)

Chronic toxicity:

Fish: *Pimephales promelas*:	NOEC = 0,019 mg/L (35 days)
Aquatic invertebrates: *Daphnia magna*:	NOEC = 0.00086 mg/L (21 days)

12.2. Persistence and degradability

No data available for the mixture.

Permethrin (CAS No.52645-53-1): not readily degradable.

Piperonyl butoxide (CAS No.51-03-6): not readily degradable.

Pyrethrins and pyrethroids (CAS No.8003-34-7): not readily degradable.

12.3. Bioaccumulative potential

No data available for the mixture.

Permethrin (CAS No.52645-53-1):

no bioaccumulation potential (BCF_{fish} = 570 L/kg - 28 d - *Bluegill sunfish*)

bioaccumulation potential for terrestrial organisms ($BCF_{earthworm}$ = 23.8 - 15108 L/kg – prediction ; BCF_{snail} = 800 L/kg – 30 d

Piperonyl butoxide (CAS No.51-03-6):

bioaccumulation potential for aquatic organisms (BCF_{fish} = 290 L/kg)

bioaccumulation potential for terrestrial organisms ($BCF_{earthworm}$ = 757 mg/kg – prediction)

Pyrethrins and pyrethroids (CAS No.8003-34-7):

high bioaccumulation potential for aquatic organisms (BCF_{fish} = 471)

very high bioaccumulation potential for terrestrial organisms ($BCF_{earthworm}$ = 9533)

12.4. Mobility in soil

No data available for the mixture.

Permethrin (CAS No.52645-53-1): high soil adsorption: Kfoc = 73441 L/kg, Koc 26930 (n = 9)

Piperonyl butoxide (CAS No.51-03-6): Koc = 3745.3 L/kg (4 soil types)

Pyrethrins and pyrethroids (CAS No.8003-34-7): Low soil mobility

12.5. Results of PBT and vPvB assessment

The mixture does not contain any PBT nor vPvB substance.

12.6. Other adverse effects

No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC, Decision 2014/955/EU and Directive (EU) 2015/1127.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste:

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.
Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:

Completely empty container. Keep label(s) on container. Give to a certified disposal contractor.

SECTION 14: TRANSPORT INFORMATION

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2017 - IMDG 2016 - ICAO/IATA 2017).

14.1. UN number

3082

14.2. UN proper shipping name

UN3082 = ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (permethrin, pyrethrins et pyrethroids)

14.3. Transport hazard class(es)

- Classification: 9

14.4. Packing group

III

14.5. Environmental hazards

- Environmentally hazardous material:

14.6. Special precautions for user

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	9	M6	III	9	90	5 L	274 335 375 601	E1	3	E

IMDG	Class	2° Label.	Pack gr.	LQ	EMS	Provis.	EQ
	9	-	III	5 L	F-A,S-F	274 335 969	E1

IATA	Class	2° Label.	Pack gr.	Passager	Passager	Cargo	Cargo	Note	EQ
	9	-	III	964	450 L	964	450 L	A97 A158 A197	E1
	9	-	III	Y964	30 kg G	-		A97 A158 A197	E1

For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG.

For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Classification and labelling information included in section 2:

The following regulations have been used:
- Regulation EC No.1272/2008 and its modifications

Biocidal regulation (EU) No. 528/2012

Insecticide (biocide PT18) – professional use.

Permethrin (CAS No.52645-53-1): 5% m/m

Piperonyl butoxide (CAS No.51-03-6): 0.5% m/m

Pyrethrins and pyrethroids (CAS No.8003-34-7): 0.25% m/m

Container information:

No data available.

Particular provisions:

No data available.

15.2. Chemical safety assessment

No data available.

SECTION 16: OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Wording of the phrases mentioned in section 3:

H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H317	May cause an allergic skin reaction.
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Abbreviations:

ADR: European agreement concerning the international carriage of dangerous goods by Road.

IMDG: International Maritime Dangerous Goods.

IATA: International Air Transport Association.

ICAO: International Civil Aviation Organisation

RID: Regulations concerning the International carriage of Dangerous goods by rail.

PBT: Persistent, bioaccumulable and toxic.

vPvB: Very persistent, very bioaccumulable.

SVHC: Substances of very high concern.

Revision:

A vertical line in the left margin indicates a change to the previous version.
This version replaces all previous versions.

除味劑

Oxydor

- 能有效去除一切異味
- 對有機或細菌來源的氣味（尿液，煙草，垃圾桶，動物，工業等）有效
- 即用型精油產品

精油　除臭　無毒　安全

消毒劑產品比較

	OXY'PHARM	漂白水	消毒火酒（酒精）	空氣淨化機	光觸煤	奈米塗層
成份/配件	非化學物質（水和過氧化氫）	化學物質（次氯酸鈉）	化學物質（乙醇）	過濾網	光催化劑（二氧化鈦）	納米銀
安全性	殺菌後會自然分解為水與氧氣，使用時不會對人體造成傷害，使用後不會產生任何痕跡，漂氧，更不會對其處理表面有任何損害，因此對環境及人體是十分安全。	對黏膜、皮膚及呼吸道具刺激性	影響腦部神經系統	一般電器操作	二氧化鈦本來對人體無毒無害，不過要使粉狀的光觸媒或空氣觸媒黏附物件表面，就須加入黏合劑，而部分黏合劑可會造成「二次污染」	有研究表明，銀納米顆粒的接觸可導致炎症反應，氧化應激，遺傳毒性（對生殖細胞有影響）以及細胞毒性。納米尺度的銀要比大尺度的銀毒性更強
殺菌消毒效能	不僅對一般的細菌、病毒具有活性，還對鮑曼梭菌的耐藥細菌和孢子具有活性。	不同牌子的次氯酸鈉的濃度有很大差別，直接影響漂白水的殺菌消毒能力	可使病菌蛋白質變性，抑制病菌	只能抑制淨化機附近的空中的病毒，未能處理附著物件及牆壁的細菌病毒	需要保持室內的光線才能夠發生殺菌反應，而且到目前為止，我們仍未獲得光觸媒可消除病毒的確切證據。	奈米銀因為顆粒小，安定性不佳，彼此間容易聚集成大顆粒，而降低抗菌效果。
殺菌有效期	家居一般三個月到半年不等。	需要經常塗抹	需要經常塗抹	開著機器才有效，且要定期更換過濾網	有效期取決於他的使用環境，環境中的污染物越多，其光觸發生的越快，失效越快，周圍環境的空氣越純淨，光觸發生的越慢。	時間一般在三個月到半年不等，長期使用會對身體有害，引起中毒症狀，影響身體發育。
成本效益	自動運行，省時，效率高	需大量人手，耗時，效率低	需要經常塗抹	不能有效消滅病毒	不能有效消滅病毒	安全性成疑

TECHNICAL DATA SHEET - OXYDOR

Version B : November 2017

- **OXYDOR®** is a deodorizer, efficient on smells from organic and bacterial origin (urine, tobacco, bins, animals, industry…).
- **OXYDOR®** is a ready-for-use solution based on essential oils, conceived to be used exclusively with the diffusion appliances of the **NOCOTECH®** range or in local applications with a spray.

REFERENCES AND PACKAGING

Reference	Packaging
4300.001	1 Liter

COMPOSITION

Essential oils.

STORAGE

- Store the product in the original packaging, vertically and in a cool and well ventilated place.
- Shelf-life : In the closed original packaging : 2 years from manufacturing date.
  Once opened : 2 months from opening date.

OXY'PHARM
829 rue Marcel Paul
94500 Champigny-sur-Marne
commercial@oxypharm.net
T : +33 1 45 18 78 70
www.oxypharm.net

PRECAUTION FOR USE

- Refer to the material safety data sheet, available on request by email: commercial@oxypharm.net.

INSTRUCTIONS FOR USE

Protocol for curative use

a. Follow the instructions for use of the diffusion appliance of the range NOCOTECH® (cf. user's manual and quickstart document).
b. Attach the 1L bottle to the diffusion appliance NOCOSPRAY® or the 20L tank on the diffusion appliance NOCOMAX®.
c. On the device, set the volume (V) of the room to be treated.
   As an example: a 20m² room with a height of approximately 2,50m will have a volume of 20 x 2,50m = 50m^3.
   The device will have to be set on 50m^3.
d. After the treatment, remove the bottle from the appliance and close it.
e. The treatment has to be repeated as often as necessary.

IMPORTANT:

- During diffusion time, leave the room closed and do not enter. The treatment must be conducted with no human presence inside the room.

OXY'PHARM
829 rue Marcel Paul
94500 Champigny-sur-Marne
commercial@oxypharm.net
T : +33 1 45 18 78 70
www.oxypharm.net

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

1.1. Product identifier

Product name: **OXYDOR**

1.2. Relevant identified uses of the substance or mixture and uses advised against

Deodorant – professional use.

Ready-to-use solution, for use with devices conform to the Oxy'Pharm concept.

Use descriptor system (REACH):

SU22 (Professional uses)

1.3. Details of the supplier of the safety data sheet

Registered company name:	OXY'PHARM
Address:	829 Rue Marcel Paul, 94500 Champigny sur Marne, FRANCE.
Phone:	+33.1.45.18.78.70
E-mail :	commercial@oxypharm.net

http://www.oxypharm.net/

1.4. Emergency telephone number:

Country	Emergency telephone number	Website
UK - England, Wales	111	http://www.nhs.uk/
UK - Scotland	111	http://www.nhs24.com/
UK - Northern Ireland	18000 or 999	http://www.gpoutofhours.hscni.net/
Ireland	01 809 2166	http://www.poisons.ie/

Other emergency numbers

In case of emergency, call nearest poison center or 112.

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In compliance with Regulation (EC) No.1272/2008 and its amendments

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

This mixture does not present a health hazard with the exception of possible occupational exposure thresholds (see paragraphs 3 and 8).

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements

In compliance with Regulation (EC) No.1272/2008 and its amendments

Hazard pictograms:	None
Signal Word:	None
Hazard statements:	None
Precautionary statements:	None
Additional labelling:	None

2.3. Other hazards

The mixture does not contain any substances classified as 'Substances of Very High Concern' (SVHC) as defined by criteria of article 57 of REACH (Regulation EC No.1907/2006) at concentration ≥ 0.1% - list published by the European CHemicals Agency (ECHA) as per article 59 of REACH: (http://echa.europa.eu/fr/candidate-list-table).

The mixture does not contain any PBT or vPvB substances as defined in annex XIII of the REACH Regulation (EC) No.1907/2006.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable (mixture).

3.2. Mixtures

Composition:

Solution based on essential oils.

Information on ingredients:

No substance contained in the mixture is present in an individual concentration greater than or equal to the concentrations mentioned in Section 3.2.2 of Regulation (EU) No.2015/830.

Other data:

No data available.

SECTION 4: FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing if the victim is unconscious.

4.1. Description of first aid measures

In the event of exposure by inhalation:

In case of discomfort, remove the exposed person to fresh air. Keep warm and at rest. Consult a doctor if symptoms appear.

In the event of splashes or contact with eyes:

Wash thoroughly with soft, clean water for several minutes holding the eyelids open. Consult an ophthalmologist.in case of pain, redness or visual impairment.

In the event of splashes or contact with skin:

Remove any soiled or splashed clothing immediately. Wash skin with soap and water.

In the event of swallowing:

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.
Keep the exposed person at rest. Do not induce vomiting. Consult a doctor showing the label.

4.2. Most important symptoms and effects, both acute and delayed

No data available for the product.

4.3. Indication of any immediate medical attention and special treatment needed

Specific and immediate treatment:

No data available.

Information for the doctor:

No data available.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable methods of extinction

In the event of a fire, use:
- sprayed water or water mist
- foam
- multipurpose ABC powder / BC powder
- carbon dioxide (CO_2)

Unsuitable methods of extinction

In the event of a fire, do not use:
- water jet

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed:
- oxygen (O_2)
- carbon monoxide (CO)
- carbon dioxide (CO_2)

5.3. Advice for firefighters

No data available.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult safety advice of sections 7 and 8.

For non first aid worker

In case of accidental release of large quantities, evacuate staff and allow access only to trained operators equipped with self-contained breathing apparatus.

Ensure adequate ventilation.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Clean preferably with detergent, avoid the use of solvents.

6.4. Reference to other sections

Refer to sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Always wash hands after handling.
Remove and wash contaminated clothing before re-using.
Ensure adequate ventilation, especially in confined areas.

Fire prevention:

Handle in well-ventilated areas.
Prevent access by unauthorised personnel.

Recommended equipment and procedures:

For personal protection, see section 8.
Observe precautions stated on label and also industrial safety regulations.
Packages which have been opened must be reclosed carefully and stored in an upright position.

Prohibited equipment and procedures:

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

Storage/Packaging

Keep in original container tightly closed in a dry, well-ventilated area at ambient temperature between 5° and 30°C.
Keep away from food, drink and animal feeding stuffs.

7.3. Specific end use(s)

No data available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits:

No occupational exposure limit defined to date for the substances present in the product.

Biological limits:

No data available.

Derived no effect level (DNEL) or derived minimum effect level (DMEL):

No data available.

Predicted no effect concentration (PNEC):

No data available.

8.2. Exposure controls

Suitable technical inspections:

Ensure adequate ventilation, especially in confined areas.

Personal protection measures, such as personal protective equipment

Use personal protective equipment that is clean and has been properly maintained.
Store personal protective equipment in a clean place, away from the work area.
Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Before handling large quantities, wear safety goggles with protective sides accordance with standard EN166.

- Hand protection

Use suitable protective gloves in accordance with standard EN374 in case of repeated or prolonged exposure.

- Body protection

Work clothing worn by personnel shall be laundered regularly.
After contact with the product, all parts of the body that have been soiled must be washed.

- Respiratory protection

Ensure adequate ventilation, especially in confined areas.

- Thermal risks

Not applicable.

Exposure controls linked to environmental protection

No data available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information:

Physical state:	Liquid (fluid)
Odour:	Amber
Colour:	Colorless

Important health, safety and environmental information

pH (mixture):	4.5 ± 0.3
Melting point/melting range:	Not determined
Freezing point:	Not determined
Boiling point/boiling range:	Not determined
Flash point:	Not determined
Evaporation rate:	Not determined
Flammability:	Not determined
Lower/upper flammability limits:	Not determined
Lower/upper explosive limits:	Not determined
Vapour pressure:	Not determined
Vapour density:	Not determined
Density:	Not determined
Solubility:	Not determined
Octanol/water partition coefficient:	Not determined
Self-ignition temperature:	Not determined
Decomposition point:	Not determined
Viscosity:	Not determined
Explosive properties:	Not determined
Oxidising properties:	Not determined

9.2. Other information

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

The thermal decomposition may release/form

- oxygen (O_2)
- carbon monoxide (CO)
- carbon dioxide (CO_2)

SECTION 11: TOXICOLOGICAL INFORMATION

Splashes in the eyes may cause irritation and reversible damage

11.1. Information on toxicological effects

11.1.1. Substances

Not applicable (mixture).

11.1.2. Mixture

No toxicological data available for the mixture.

The product is not classified (conventional calculation method).

Acute toxicity:

The product is not classified (conventional calculation method).

Skin corrosion/skin irritation:

The product is not classified (conventional calculation method).

Serious damage to eyes/eye irritation:

The product is not classified (conventional calculation method).

Respiratory or skin sensitisation:

The product is not classified (conventional calculation method).

Germ cell mutagenicity:

No data available for the mixture, however no hazard is expected with regard to its components.

Carcinogenicity:

No data available for the mixture, however no hazard is expected with regard to its components.

Reproductive toxicant:

No data available for the mixture, however no hazard is expected with regard to its components.

Specific target organ systemic toxicity - single exposure:

The product is not classified (conventional calculation method).

Specific target organ systemic toxicity - repeated exposure:

The product is not classified (conventional calculation method).

Aspiration hazard:

The product does not contain any substance classified for this hazard.

Symptoms related to the physical, chemical and toxicological characteristics

No data available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

No data available.

Interactive effects

No data available.

Absence of specific data

No data available.

Other information

No data available.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Substances

Not applicable (mixture).

12.1.2. Mixture

No aquatic toxicity information is available for the mixture.

This mixture is not classified as hazardous for the environment (conventional calculation method).

No environmental damage is known or foreseeable under normal conditions of use.

12.2. Persistence and degradability

No data available for the mixture.

12.3. Bioaccumulative potential

No data available for the mixture.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

The mixture does not contain any PBT nor vPvB substance.

12.6. Other adverse effects

No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC, Decision 2014/955/EU and Directive (EU) 2015/1127.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste:

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.
Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:

Completely empty container. Keep label(s) on container. Give to a certified disposal contractor.

SECTION 14: TRANSPORT INFORMATION

Exempt from transport classification and labelling.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Classification and labelling information included in section 2:

The following regulations have been used:
- Regulation EC No.1272/2008 and its modifications

Container information:

No data available.

Particular provisions:

No data available.

15.2. Chemical safety assessment

No data available.

SECTION 16: OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Abbreviations:

PBT: Persistent, bioaccumulable and toxic.

vPvB: Very persistent, very bioaccumulable.

SVHC: Substances of very high concern.

Revision:

A vertical line in the left margin indicates a change to the previous version.
This version replaces all previous versions.
Changes from version No.1 to version No.2:
change of logo and other minor corrections (format, wording).

OUR

AREAS OF APPLICATION

Hospitals & Clinics (OT Rooms, Equipments & Premises) **| Medical Consulting Rooms** (Doctors/Dentists) **| Laboratories | Hotels & Spas | Malls, Cinema Halls & Food Courts | Transportation** (Sea, Rail & Road including cars) **| Horse Stables, Poultry Farms & Vet Clinics | Pharmaceutical Industry** (Other Industries for Clean Rooms, etc)




















MADE IN FRANCE - FABRIQUÉ EN FRANCE

服務範圍

- 住宅公寓
- 村屋
- 別墅
- 私家車

- 娛樂場
- 辦公室
- 學校
- 教育機構
- 醫院
- 診所
- 護老院
- 酒店
- 餐廳
- 飛機
- 救護車
- 生產廠房

- 公共交通
- 公共汽車
- 政府機構
- 垃圾處理站
- 垃圾堆填區
- 公共廁所
- 公共體育館

服務範圍

酒店及娛樂場所

吸煙樓層，定時除味，能增加再使用率，吸煙房能馬上變成無煙房，空氣清新。

特別房間的增設，可以建立一個已消毒樓層給**貴賓**或**過敏體質人仕**使用，提供已消毒處理的房間給客人，使他們住得安心和舒適。從而，這些**特別房間**可相應提高售價。

增加酒店企業形象的競爭力。

（客戶對酒店的潔淨環境的重視程度已日益提高，我們的環保消毒產品是大趨勢。）

使用我們的產品後，能有效預防酒店爆發傳染病和防止病毒交叉感染。

（例如:甲流，退伍軍人。）

可以提供給賭廳多一個服務，當吸煙客戶離開後，該位置會殘留大量氣味，這時侯可以使用我們的產品可即時處理氣味，更可在短時間內使空間恢復潔淨無味。

房間消毒、殺菌、除味

臥室、廁所、客廳等所有室內地方

★ 完成後，提供用先進儀器檢測的消毒的報告。

服務範圍

醫療保健機構

醫院，診所，醫療辦公室，實驗室

這些機構定期收容有病原體且通常免疫缺陷的患者。為了減少或消除感染的可能性，必須對與患者接觸的表面進行嚴格的清潔和消毒程序。要擁有一個可以有效地對房間的 100% 的表面進行消毒的系統，就變得至關重要（房間，手術室，...）。

養老院，康復中心，水療法中心

這些場所通常會長期歡迎人們。這些患者通常是免疫缺陷或免疫抑制的。即使在這種類型的機構中，醫院感染的問題已不再是問題，重要的是要保持警惕並控制感染風險，這要歸功於可以處理所有表面的概念。

救護車，消防員

救護車和消防員最經常參與緊急情況，每天運送大量人員。如果在每個患者運輸之間未採用有效的消毒程序，則每個運輸的人員都可能被污染或將病原體沉積在與其接觸的表面上。而且，由於運輸工具的使用者容易交叉感染，其污染源不計其數，這些污染源可以成為感染髮展的媒介。在支持人流的封閉環境中，傳染病更容易，更迅速地傳播。

服務範圍

交通運輸

航空 / 鐵路 / 海運

無論在城市、國家還是在全世界任何角落，貨物運輸以及人員運輸的發展都促進了病原體的快速流通。對這些傳播途徑進行消毒，可以大大降低污染的風險以及特定病毒從一個國家流向另一個國家的風險。

醫療洗衣運輸

對於許多醫院而言，醫療洗衣管理現在是一個現實問題。實際上， 醫療洗衣運輸已被整合到全球預防感染風險的組織中。認證過程使其具有完善的生產和物流功能，在每個階段涉及各個參與者，就提供的服務而言，應由質量體系進行管理。因為在擔心衛生的情況下，醫院的風險受到了重視。洗滌後對衣物進行消毒將減少污染的風險。

救護車，消防車

救護車和消防車用來運送傷病員。他們是醉酒的人誰都有可能更容易染上性病。感染可能來自設備或救護車 / 消防隊員。此外，患者本身可能污染救護車 / 消防隊員。或者，救護車 / 火災或設備可以從一個病人到另一個病人攜帶病菌。因此救護車 / 消防部門必須遵循嚴格的清洗和消毒協議。

服務範圍

學校／托兒所

一種傳染病從一個人傳染到另一個人需要三個步驟：

1. 病原體應由生病的主體或健康的載體排泄（按頻率順序：鼻子、嘴、糞便、皮膚、尿液）
2. 按頻率順序：氣霧劑，通過物體或其他人直接或間接接觸
3. 病原體必須到達一個易受感染的地點（口、鼻子、眼睛）

托兒所，學校，日托

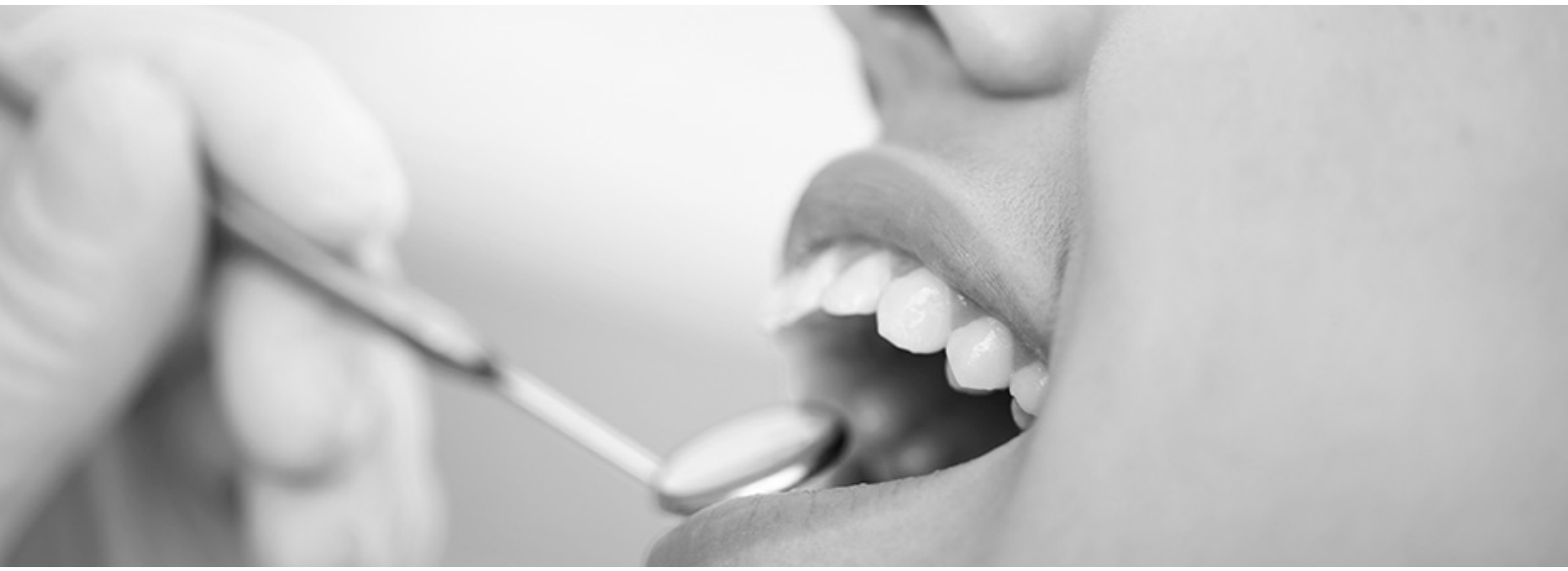
教育機構大概是許多傳染病，托兒所，提供了傳染病的傳播一個地方的流行病學的關鍵因素。事實上，交叉感染和可用性實行這種類型的護理也有涉及人口的具體特點，容易受到任何感染。重要的是要控制感染的風險是必要的。

公共 / 市政餐飲

與手或食物接觸的表面，強大的交叉污染載體可收集和傳播所有類型的細菌。與手和食物接觸的表面，如：切菜板，工作臺，冰箱，炊具，... 為了使感染風險最小化，必須定期消毒與食物接觸的任何東西。

服務範圍

牙醫診所



給牙醫戴口罩就可以避免直接污染，但周圍的表面又如何呢？

在空氣中，病毒和細菌變得高度移動，在房間之間迴圈，由人的運動攜帶。因此，衣服、表面和儀器成為病原體的媒介。牙科診所是一個直接或間接與公眾接觸的儀器和護理設備的地方。

這些設備需要高品質的病毒和微生物消毒。使用時，護理儀器（渦輪機、手部、脫壓器等）可產生唾液、血液、細菌載體的空中投影。這些空氣中的顆粒沉積在房間的所有表面上。

手動清潔對於平均品質而言是乏味的，因為要處理的表面並不總是顯而易見的接近。這種操作的困難往往導致不規則的淨化。確保牙科診所所有區域的衛生水準對於避免任何污染風險至關重要。

業務涵蓋

工業區

消毒功能包括使工作場所和設備在細菌學上安全。因此，它是工業中的一個關鍵問題，不僅對那些在工業區中工作的人來說，對保護最終產品和消費者來說都是如此。

有效和穩定的消毒可以顯著減少病原體的存在。因此，必須消毒這些行業內的環境，以便將感染風險保持最低。這類消毒的目的是避免最終產品受到污染的風險，這可能危及消費者健康的完整性。由於這些環境必須遵守衛生和健康標準，並受到政府部門的定期監督，因此對工業，特別是食品和醫藥部門，至關重要，將微生物污染水准保持在最低安全水準和法律規定的限度之內。

DSVA 和製藥行業

藥品或化妝品公司的消毒是生產中不可或缺的重要環節。在製藥行業，對製造設備進行消毒是防止交叉污染的必要條件。事實上，按照嚴格的協定進行消毒可以防止消費者受到污染的風險。

食品工業的優質殺菌劑

消毒功能是農業食品工業的重要陣地，反映了食品安全問題在當代社會日益重要。為了滿足這些增加的需求，農業食品公司被迫制定越來越安全的政策，對場所和設備進行消毒，以便提供良好的微生物品質產品，並保護最終使用者。

業務涵蓋

獸醫

在獸醫領域，污染的控制至關重要，因為動物可以成為對人類有害的病原體，其危險性是迅速傳播且難以控制的。

動物是寄生蟲，細菌等的攜帶者。無論是在獸醫手術期間還是在農場中，這些動物都容易受到污染。實際上，就像人類一樣，動物在手術過程中也可能被感染。同樣，在農場中，如果動物被病毒污染，則可能危害所有其他牲畜的健康。因此，必須對動物生長的環境進行消毒，以保護它們免受任何可能的感染。

歐盟認證 & 安全報告

符合歐盟標準及醫療可用級別

Certificate ISO 13485 Oxy'pharm
Under BPR Regulation
NFT 72281 Nocolyse
NFT 72281 Nocolyse one shot [Bacillus Subtilis (spores), Clostridium Difficile (spores)]
NFT 72281 Nocolyse Food [Food industrial, domestic & industrial areas, Medical areas, Veterinary areas]

Certificate ISO 9001
Actalia Final Report
Regulation(EU) - Declaration
Safety Data sheet [Regulation(EC) No.190712006 - (EU) No.2105/830]

Organisme accrédité COFRAC N° 4-0023
Accredited body by COFRAC N° 4-0023

AB certification

CERTIFICAT
CERTIFICATE

N°A 2739

Nous certifions par la présente que le Système de Management de la Qualité des Dispositifs Médicaux de la société :
We hereby certify that the Medical Devices Quality Management System of the company

OXY'PHARM
829 rue Marcel Paul
94500 Champigny sur Marne

est conforme aux exigences de la norme suivante :
is in compliance with the requirements of the following standard

ISO 13485 : 2016

Le domaine d'application du Système de Management de la Qualité des Dispositifs Médicaux est le suivant :
The scope of the Medical Devices Quality Management System is as follows

FABRICATION ET VENTE DE PRODUITS DE DECONTAMINATION DE L'EAU, SYSTEMES ET PRODUITS DE DESINFECTION ET DESINSECTISATION PAR VOIE AERIENNE, PRODUITS DETERGENTS, BRASURE POUR LUNETTERIE, APPAREILS DE LAVAGE A USAGE MEDICAL.

MANUFACTURE AND SALE OF WATER DECONTAMINATION PRODUCTS, SYSTEMS AND PRODUCTS FOR DISINFECTION BY AIR, DETERGENT PRODUCTS, SOLDER FOR EYEWEAR, WASHING MACHINES FOR MEDICAL USE.

Ce certificat demeurera en vigueur pour une période de trois ans à moins d'avis contraire, à condition que la mise en place et la conformité du Système de Management de la Qualité des Dispositifs Médicaux soient jugées satisfaisantes lors des audits de surveillance et que les conditions du contrat de AB Certification soient observées.
This certificate is valid for a three year period, provided that the compliance and implementation of the Medical Devices Quality Management System are found to be satisfactory at follow-up audits and that AB Certification rules are followed.

Fait à PARIS, le 11 janvier 2019
Signed in PARIS, the 11th January 2019

Date de validité : 25 décembre 2020
Expiry date: 25th of December 2020

Certification initialement émise : 26-12-2017

cofrac

Georges ABI RACHED
Le Représentant d'AB Certification
AB Certification Representative

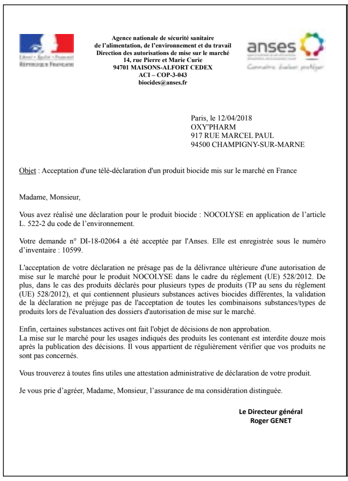
Le Représentant de l'Entreprise
The Company Representative

Ce certificat est la propriété d'AB Certification. Il devra lui être restitué en cas de demande. AB Certification - 19, rue de Paradis - 75010 PARIS

歐盟認證 & 安全報告

Nocolyse

Nocolyse



Agence nationale de sécurité sanitaire de l'alimentation, de l'environnement et du travail
Direction des autorisations de mise sur le marché
14, rue Pierre et Marie Curie
94701 MAISONS-ALFORT CEDEX
ACI – COP-3-043
biocides@anses.fr

Paris, le 12/04/2018
OXY'PHARM
917 RUE MARCEL PAUL
94500 CHAMPIGNY-SUR-MARNE

Objet : Acceptation d'une télé-déclaration d'un produit biocide mis sur le marché en France

Madame, Monsieur,

Vous avez réalisé une déclaration pour le produit biocide : NOCOLYSE en application de l'article L. 522-2 du code de l'environnement.

Votre demande n° DI-18-02064 a été acceptée par l'Anses. Elle est enregistrée sous le numéro d'inventaire : 10599.

L'acceptation de votre déclaration ne présage pas de la délivrance ultérieure d'une autorisation de mise sur le marché pour le produit NOCOLYSE dans le cadre du règlement (UE) 528/2012. De plus, dans le cas des produits déclarés pour plusieurs types de produits (TP au sens du règlement (UE) 528/2012), et qui contiennent plusieurs substances actives biocides différentes, la validation de la déclaration ne préjuge pas de l'acceptation de toutes les combinaisons substances/types de produits lors de l'évaluation des dossiers d'autorisation de mise sur le marché.

Enfin, certaines substances actives ont fait l'objet de décisions de non approbation.
La mise sur le marché pour les usages indiqués des produits les contenant est interdite douze mois après la publication des décisions. Il vous appartient de régulièrement vérifier que vos produits ne sont pas concernés.

Vous trouverez à toutes fins utiles une attestation administrative de déclaration de votre produit.

Je vous prie d'agréer, Madame, Monsieur, l'assurance de ma considération distinguée.

Le Directeur général
Roger GENET

STUDY 15-1806

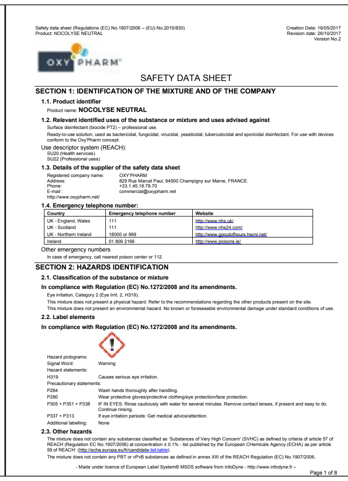
Determination of bactericidal, fungicidal, yeasticidal, sporicidal, mycobactericidal and virucidal activity for aerial surface disinfection processes
According to the method described
in the standard NF T 72-281 (November 2014)

Medical area

Promoter: OXYPHARM, 917 rue Marcel Paul, 94500 CHAMPIGNY SUR MARNE

Test laboratory: FONDEREPHAR, Faculté des Sciences Pharmaceutiques, 35 Chemin des Maraîchers, 31062 TOULOUSE cedex 9

Dr Christine ROQUES, Study Manager — Dr Jacqueline BACARIA, Quality Manager

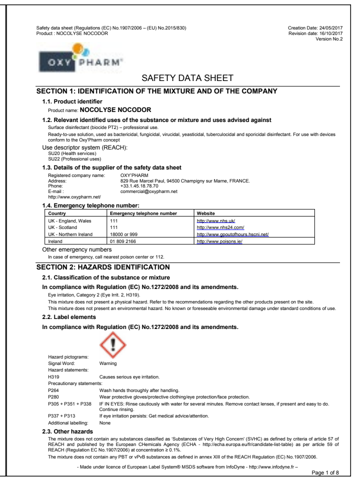


SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

Product name: NOCOLYSE NEUTRAL

SECTION 2: HAZARDS IDENTIFICATION



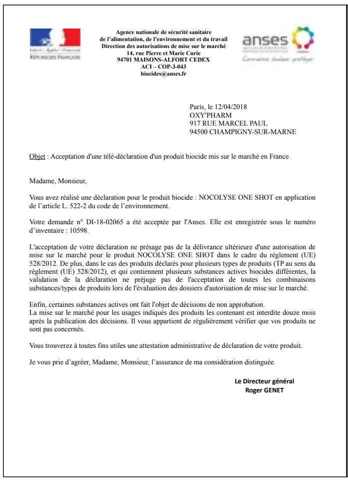
SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

Product name: NOCOLYSE NOCODOR

SECTION 2: HAZARDS IDENTIFICATION

Nocolyse one shot



Agence nationale de sécurité sanitaire de l'alimentation, de l'environnement et du travail
Direction des autorisations de mise sur le marché
14, rue Pierre et Marie Curie
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biocides@anses.fr

Paris, le 12/04/2018
OXY'PHARM
917 RUE MARCEL PAUL
94500 CHAMPIGNY-SUR-MARNE

Objet : Acceptation d'une télé-déclaration d'un produit biocide mis sur le marché en France

Madame, Monsieur,

Vous avez réalisé une déclaration pour le produit biocide : NOCOLYSE ONE SHOT en application de l'article L. 522-2 du code de l'environnement.

Votre demande n° DI-18-02065 a été acceptée par l'Anses. Elle est enregistrée sous le numéro d'inventaire : 10598.

L'acceptation de votre déclaration ne présage pas de la délivrance ultérieure d'une autorisation de mise sur le marché pour le produit NOCOLYSE ONE SHOT dans le cadre du règlement (UE) 528/2012. De plus, dans le cas des produits déclarés pour plusieurs types de produits (TP au sens du règlement (UE) 528/2012), et qui contiennent plusieurs substances actives biocides différentes, la validation de la déclaration ne préjuge pas de l'acceptation de toutes les combinaisons substances/types de produits lors de l'évaluation des dossiers d'autorisation de mise sur le marché.

Enfin, certaines substances actives ont fait l'objet de décisions de non approbation.
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Vous trouverez à toutes fins utiles une attestation administrative de déclaration de votre produit.

Je vous prie d'agréer, Madame, Monsieur, l'assurance de ma considération distinguée.

Le Directeur général
Roger GENET

STUDY 15-1780

Determination of bactericidal, fungicidal, sporicidal, mycobactericidal and virucidal activity for aerial surface disinfection processes
According to the method described
in the standard NF T 72-281 (November 2014)

Medical area

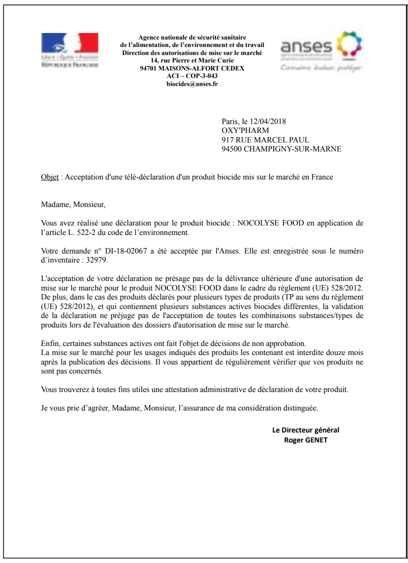
STUDY 15-1780

Additional Conditions : Clostridium difficile (spore)

STUDY 15-1780/2

Additional Conditions : Bacillus subtilis (spores)

Nocolyse Food


Agence nationale de sécurité sanitaire de l'alimentation, de l'environnement et du travail
Direction des autorisations de mise sur le marché
14, rue Pierre et Marie Curie
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ACI – COP-3-043
biocides@anses.fr

Paris, le 12/04/2018
OXY'PHARM
917 RUE MARCEL PAUL
94500 CHAMPIGNY-SUR-MARNE

Objet : Acceptation d'une télé-déclaration d'un produit biocide mis sur le marché en France

Madame, Monsieur,

Vous avez réalisé une déclaration pour le produit biocide : NOCOLYSE FOOD en application de l'article L. 522-2 du code de l'environnement.

Votre demande n° DI-18-02067 a été acceptée par l'Anses. Elle est enregistrée sous le numéro d'inventaire : 32979.

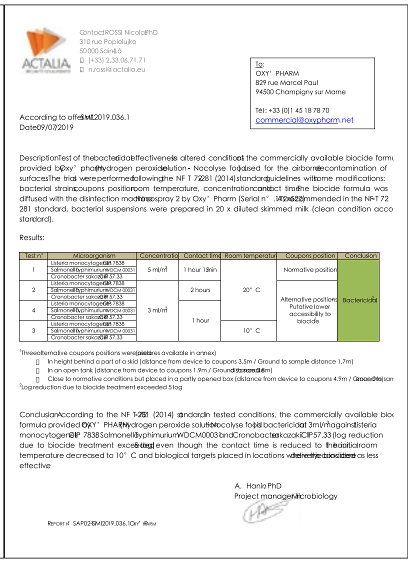
L'acceptation de votre déclaration ne présage pas de la délivrance ultérieure d'une autorisation de mise sur le marché pour le produit NOCOLYSE FOOD dans le cadre du règlement (UE) 528/2012. De plus, dans le cas des produits déclarés pour plusieurs types de produits (TP au sens du règlement (UE) 528/2012), et qui contiennent plusieurs substances actives biocides différentes, la validation de la déclaration ne préjuge pas de l'acceptation de toutes les combinaisons substances/types de produits lors de l'évaluation des dossiers d'autorisation de mise sur le marché.

Enfin, certaines substances actives ont fait l'objet de décisions de non approbation. La mise sur le marché pour les usages indiqués des produits les contenant est interdite douze mois après la publication des décisions. Il vous appartient de régulièrement vérifier que vos produits ne sont pas concernés.

Vous trouverez à toutes fins utiles une attestation administrative de déclaration de votre produit.

Je vous prie d'agréer, Madame, Monsieur, l'assurance de ma considération distinguée.

Le Directeur général
Roger GENET


ACTALIA

To:
OXY'PHARM
829 rue Marcel Paul
94500 Champigny sur Marne

Tél : +33 (0)1 45 18 78 70
commercial@oxypharm.net

Results:

Conclusion: According to the NF T 72-281 (2014) standard, in tested conditions, the commercially available biocide formula provided by Oxy'Pharm ... Nocolyse food is bactericidal at 3ml/m³ against Listeria monocytogenes, Salmonella typhimurium and Cronobacter sakazakii ...

A. Hanis PhD
Project manager Microbiology


Toulouse, August 12th 2015

TEST REPORT N° 15-936

STUDY 15-1799

Determination of bactericidal, fungicidal, yeasticidal, sporicidal, mycobactericidal and virucidal activity including bacteriophages for aerial surface disinfection processes

According to the method described in the standard NF T 72-281 (November 2014)

Food industrial, domestic and institutional areas

Promotor: OXYPHARM, 917 rue Marcel Paul, 94500 CHAMPIGNY SUR MARNE

Test Laboratory: FONDEREPHAR, Faculté des Sciences Pharmaceutiques, 35 Chemin des Maraîchers, 31062 TOULOUSE cedex 9

Dr Christine ROQUES, Responsable Etude — Dr Jocelyne BACARIA, Responsable Qualité


Toulouse, August 12th 2015

TEST REPORT N° 15-935

STUDY 15-1799

Determination of bactericidal, fungicidal, yeasticidal, sporicidal, mycobactericidal and virucidal activity including bacteriophages for aerial surface disinfection processes

According to the method described in the standard NF T 72-281 (November 2014)

Obligatory strains and 2 additional strains (M. avium and C. difficile)

Medical areas

Promotor: OXYPHARM, 917 rue Marcel Paul, 94500 CHAMPIGNY SUR MARNE

Test Laboratory: FONDEREPHAR, Faculté des Sciences Pharmaceutiques, 35 Chemin des Maraîchers, 31062 TOULOUSE cedex 9

Dr Christine ROQUES, Responsable Etude — Dr Jocelyne BACARIA, Responsable Qualité


Toulouse, September 17th 2015

TEST REPORT N° 15-947

STUDY 15-1870

Determination of bactericidal, fungicidal, yeasticidal, sporicidal, mycobactericidal and virucidal activity including bacteriophages for aerial surface disinfection processes

According to the method described in the standard NF T 72-281 (November 2014)

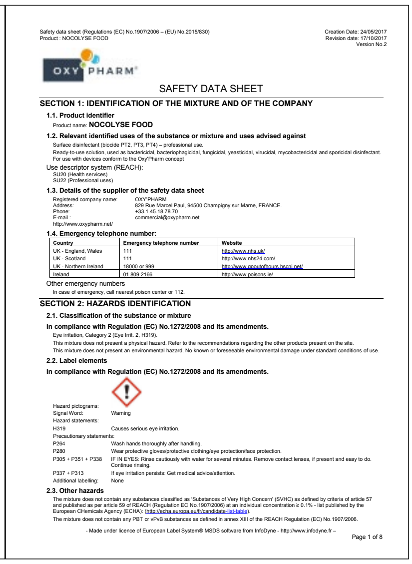
Veterinary areas

Obligatory strains

Promotor: OXYPHARM, 917 rue Marcel Paul, 94500 CHAMPIGNY SUR MARNE

Test Laboratory: FONDEREPHAR, Faculté des Sciences Pharmaceutiques, 35 Chemin des Maraîchers, 31062 TOULOUSE cedex 9

Dr Lalla MADDOUI, Responsable Etude — Dr Jocelyne BACARIA, Responsable Qualité


OXY'PHARM

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

1.1. Product identifier — Product name: NOCOLYSE FOOD

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet

1.4. Emergency telephone number

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

2.2. Label elements

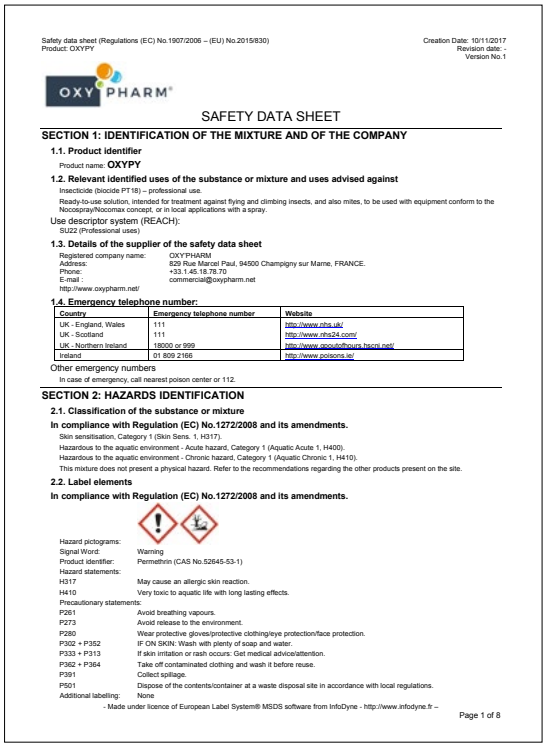
2.3. Other hazards

Page 1 of 8

歐盟認證 & 安全報告

OXYPY & OXYDOR

OXYPY



Safety data sheet (Regulations (EC) No.1907/2006 – (EU) No.2015/830)
Product: OXYPY

Creation Date: 10/11/2017
Revision date: -
Version No.1

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

1.1. Product identifier

Product name: **OXYPY**

1.2. Relevant identified uses of the substance or mixture and uses advised against

Insecticide (biocide PT 18) – professional use.

Ready-to-use solution, intended for treatment against flying and climbing insects, and also mites, to be used with equipment conform to the Nocospray/Nocomax concept, or in local applications with a spray.

Use descriptor system (REACH):

SU22 (Professional uses)

1.3. Details of the supplier of the safety data sheet

Registered company name: OXY'PHARM
Address: 829 Rue Marcel Paul, 94500 Champigny sur Marne, FRANCE.
Phone: +33.1.45.18.78.70
E-mail : commercial@oxypharm.net
http://www.oxypharm.net/

1.4. Emergency telephone number:

Country	Emergency telephone number	Website
UK - England, Wales	111	http://www.nhs.uk/
UK - Scotland	111	http://www.nhs24.com/
UK - Northern Ireland	18000 or 999	http://www.gpoutofhours.hscni.net/
Ireland	01 809 2166	http://www.poisons.ie/

Other emergency numbers

In case of emergency, call nearest poison center or 112.

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In compliance with Regulation (EC) No.1272/2008 and its amendments.

Skin sensitisation, Category 1 (Skin Sens. 1, H317).

Hazardous to the aquatic environment - Acute hazard, Category 1 (Aquatic Acute 1, H400).

Hazardous to the aquatic environment - Chronic hazard, Category 1 (Aquatic Chronic 1, H410).

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

2.2. Label elements

In compliance with Regulation (EC) No.1272/2008 and its amendments.

Hazard pictograms:
Signal Word: Warning
Product identifier: Permethrin (CAS No.52645-53-1)
Hazard statements:
H317 May cause an allergic skin reaction.
H410 Very toxic to aquatic life with long lasting effects.
Precautionary statements:
P261 Avoid breathing vapours.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P391 Collect spillage.
P501 Dispose of the contents/container at a waste disposal site in accordance with local regulations.
Additional labelling: None

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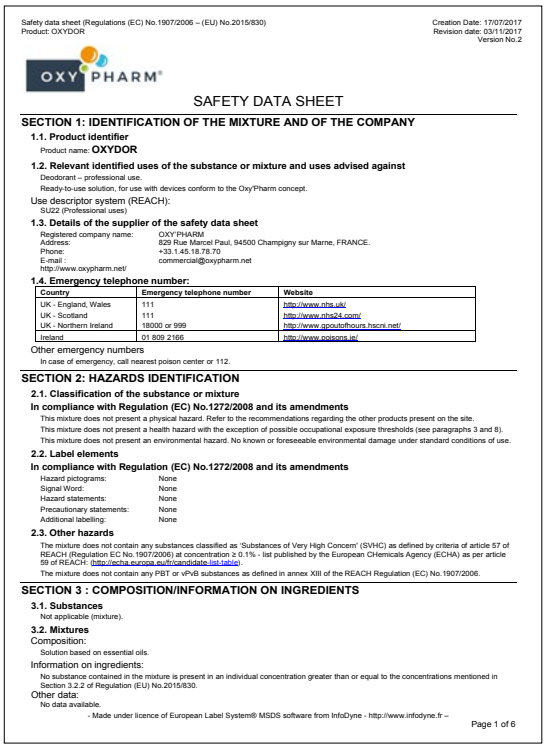
OXYDOR



Safety data sheet (Regulations (EC) No.1907/2006 – (EU) No.2015/830)
Product: OXYDOR

Creation Date: 17/07/2017
Revision date: 03/11/2017
Version No.2

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

1.1. Product identifier

Product name: **OXYDOR**

1.2. Relevant identified uses of the substance or mixture and uses advised against

Deodorant – professional use.

Ready-to-use solution, for use with devices conform to the Oxy'Pharm concept.

Use descriptor system (REACH):

SU22 (Professional uses)

1.3. Details of the supplier of the safety data sheet

Registered company name: OXY'PHARM
Address: 829 Rue Marcel Paul, 94500 Champigny sur Marne, FRANCE.
Phone: +33.1.45.18.78.70
E-mail : commercial@oxypharm.net
http://www.oxypharm.net/

1.4. Emergency telephone number:

Country	Emergency telephone number	Website
UK - England, Wales	111	http://www.nhs.uk/
UK - Scotland	111	http://www.nhs24.com/
UK - Northern Ireland	18000 or 999	http://www.gpoutofhours.hscni.net/
Ireland	01 809 2166	http://www.poisons.ie/

Other emergency numbers

In case of emergency, call nearest poison center or 112.

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In compliance with Regulation (EC) No.1272/2008 and its amendments

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

This mixture does not present a health hazard with the exception of possible occupational exposure thresholds (see paragraphs 3 and 8).

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements

In compliance with Regulation (EC) No.1272/2008 and its amendments

Hazard pictograms: None
Signal Word: None
Hazard statements: None
Precautionary statements: None
Additional labelling: None

2.3. Other hazards

The mixture does not contain any substances classified as 'Substances of Very High Concern' (SVHC) as defined by criteria of article 57 of REACH (Regulation EC No.1907/2006) at concentration ≥ 0.1% - list published by the European CHemicals Agency (ECHA) as per article 59 of REACH: (http://echa.europa.eu/fr/candidate-list-table) .

The mixture does not contain any PBT or vPvB substances as defined in annex XIII of the REACH Regulation (EC) No.1907/2006.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable (mixture).

3.2. Mixtures

Composition:

Solution based on essential oils.

Information on ingredients:

No substance contained in the mixture is present in an individual concentration greater than or equal to the concentrations mentioned in Section 3.2.2 of Regulation (EU) No.2015/830.

Other data:

No data available.

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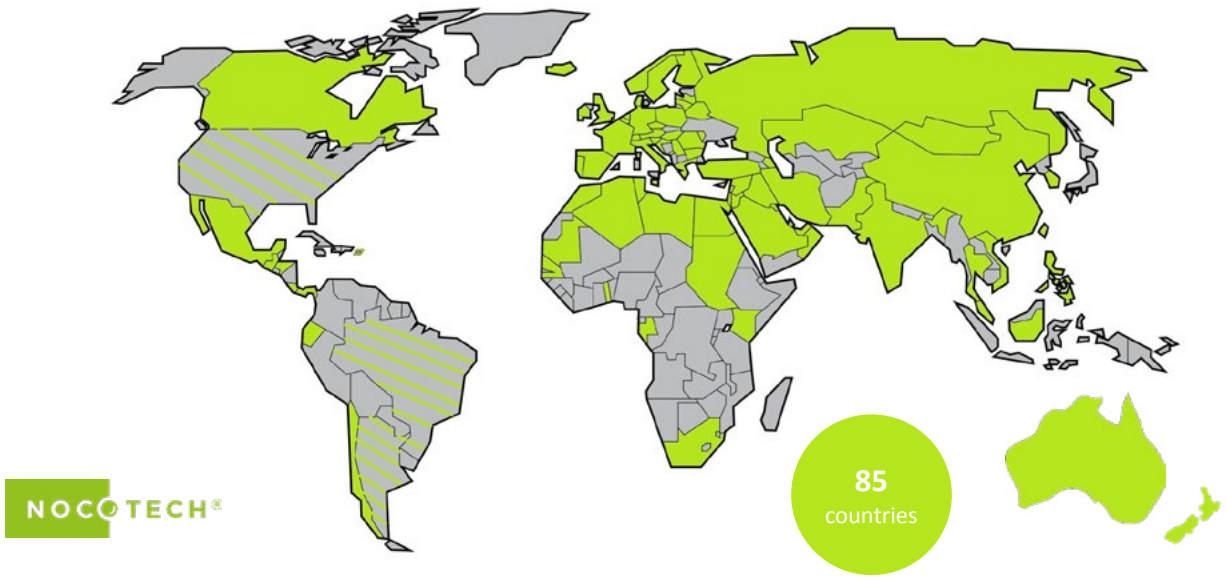
業務涵蓋

Every Where in the world



Africa	Algeria	Burkina Faso	Gabon	Libya	Marocco
America	Brazil	Canada	Ecuador	Mexico	United States
Europe	Austria	Belgium	Belgium Croatia	Czech Republic	
	Denmark	Dom Tom	France	Germany	
	Greece	Hungary	Italia	Ireland	
	Latvia	Lithuania	Luxembourg	Moldova	
	Norway	Poland	Protugal	Romania	
	Russia	Serbia	Slovenia	Spain	
	Sweden	Switzerland	The Netherlands	United Kingdom	
Near East & Middle East	Saudi Arabia	Bahrain	Irak	Iran	Jordan
	Lebanon	Qatar	Syria	Turkey	UAF
Asia	Japan	Korea	Malaysia	Vietnam	Singapore
Oceania	Australia	New Zealand			

聯絡我們

Contact Us

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Avenida xian xing hai no 105,Centro Golden Dragon, 9 andar I, MACAU