



SAFETY DATA SHEET

PEROXILL 2000

Issued on 02/09/2018 - Rel. # 2 on 03/01/2021

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In conformity to Regulation (EU) 2020/878

SECTION1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product code : PEROXILL 2000

UFI: GE00-G0JQ-X00J-YSVH

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

Water-soluble powder for disinfectant solution.

Sectors of use:

Professional use[SU22]

Uses advised against

Do not use for purposes other than those listed

1.3. Details of the supplier of the safety data sheet

Lombarda H S.r.l.

Sede legale: via Volterra, 9 - 20146 Milano

Officina di produzione: Via Brisconno, Loc Mendosio 20081 Abbiategrosso (MI)

Tel. 02/94920654-94920509

Persona competente responsabile SDS: lh@lombardah.com

National contact: Lombarda H S.r.l.

1.4. Emergency telephone number

+39 - 02/94920654-94920509 :

Emergency: Lombarda H S.r.l.

E-mail address: lh@lombardah.com

SECTION2. Hazards identification

2.1. Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008:

Pictograms:

GHS03, GHS05

Hazard Class and Category Code(s):

Ox. Sol. 2, Eye Dam. 1

Hazard statement Code(s):

H272 - May intensify fire; oxidiser.

H318 - Causes serious eye damage.

The product has oxidizing properties can intensify fire

If brought into contact with eyes, the product causes serious damages to eyes, such as an opaque cornea or injury to iris.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008:

Pictogram, Signal Word Code(s):

GHS03, GHS05 - Danger

Hazard statement Code(s):

H272 - May intensify fire; oxidiser.

H318 - Causes serious eye damage.

Supplemental Hazard statement Code(s):

not applicable

Precautionary statements:

Prevention

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P220 - Keep away from clothing and other combustible materials.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Response

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 - Immediately call a POISON CENTER/doctor.

P370+P378 - In case of fire: Use CO2 or foam to extinguish.

Disposal

P501 - Dispose of contents/container in accordance with local/regional/national/international regulation.

Contains:

SODIUM PERCARBONATE

UFI: GE00-G0JQ-X00J-YSVH



2.3. Other hazards

The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

No information on other hazards

SECTION3. Composition/information on ingredients

3.1 Substances

Irrilevant

3.2 Mixtures

Refer to paragraph 16 for full text of hazard statements

Substance	Concentration[w/w]	Classification	Identificativi
SODIUM PERCARBONATE	>= 30 < 50%	Ox. Sol. 3, H272; Acute Tox. 4, H302; Eye Dam. 1, H318 Limits: Eye Dam. 1, H318 %C >25; Eye Irrit. 2, H319 7,5<= %C <25;	CE ND CAS 15630-89-4 EINECS 239-707-6 REACH 01-2119457268-30

Substance	Concentration[w/w]	Classification	Identificativi
		ATE(mix) oral = 1.034,0 mg/kg ATE(mix) dermal = 2.000,0 mg/kg ATE(mix) inhal = 700,0mg/l/4 h	
Sodium p-cumenesulphonate	>= 3 < 5%	Eye Irrit. 2, H319	CE ND CAS 15763-76-5 EINECS 239-854-6 REACH 01-2119489411-37

SECTION4. First aid measures

4.1. Description of first aid measures

Inhalation:

Air the area. Move immediately the contaminated patient from the area and keep him at rest in a well ventilated area. If you feel unwell seek medical advice.

Direct contact with skin (of the pure product):

Wash thoroughly with soap and running water.

Direct contact with eyes (of the pure product):

Wash immediately and thoroughly with running water, keeping eyelids open for at least 10 minutes, then protect your eyes with a dry sterile gauze. Seek medical advice immediately
Do not use eye drops or ointments of any kind before the examination or advice from an oculist.

Ingestion:

Rinse mouth with water of the subject. Consult a physician.

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

No data available.

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

Immediately call a POISON CENTER/doctor.

SECTION5. Firefighting measures

5.1. Extinguishing media

Advised extinguishing agents:

In the case of fire use: water spray or CO2.

Water spray, CO2, foam, dry chemical, depending on the materials involved in the fire.

Extinguishing means to avoid:

Water jets. Use water jets only to cool the surfaces of the containers exposed to fire.

5.2. Special hazards arising from the substance or mixture

No data available.

5.3. Advice for firefighters

Use protection for the breathing apparatus

Safety helmet and full protective suit.

The spray water can be used to protect the people involved in the extinction

You may also use selfrespirator, especially when working in confined and poorly ventilated area and if you use halogenated extinguishers (Halon 1211 fluobrene, Solkan 123, NAF, etc...)

Keep containers cool with water spray

SECTION6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel:

Wear mask, gloves and protective clothing.

6.1.2 For emergency responders:

Wear mask, gloves and protective clothing.

Eliminate all unguarded flames and possible sources of ignition. No smoking.

Provision of sufficient ventilation.

Evacuate the danger area and, in case, consult an expert.

6.2. Environmental precautions

Contain spill

Inform the competent authorities.

Discharge the remains in compliance with the regulations

6.3. Methods and material for containment and cleaning up

6.3.1 For containment:

Rapidly recover the product, wear a mask and protective clothing

Recover the product for reuse, if possible, or the removal.

6.3.2 For cleaning up:

After wiping up, wash the area and materials involved

6.3.3 Other information:

None in particular.

6.4. Reference to other sections

Refer to paragraphs 8 and 13 for more information

SECTION7. Handling and storage

7.1. Precautions for safe handling

Wear protective gloves/protective clothing/eye protection/face protection.

At work do not eat or drink.

See also paragraph 8 below.

7.2. Conditions for safe storage, including any incompatibilities

Keep in original container closed tightly. Do not store in open or unlabeled containers.
Keep containers upright and safe by avoiding the possibility of falls or collisions.
Keep away from combustible materials.
Keep away from open flames, sparks and heat sources. Avoid direct sunlight exposure.

7.3. Specific end use(s)

Professional use:
Follow the rules of good hygiene in the workplace.

SECTION8. Exposure controls/personal protection**8.1. Control parameters**

- Substance: SODIUM PERCARBONATE
DNEL
Local effects Long term Workers inhalation = 5 (mg/m³)
Local effects Long term Workers dermal = 12,8 (mg/kg bw/day)
Local effects Long term Consumers dermal = 6,4 (mg/kg bw/day)
Local effects Short term Workers dermal = 12,8 (mg/kg bw/day)
Local effects Short term Consumers dermal = 6,4 (mg/kg bw/day)
PNEC
Sweet water = 0,035 (mg/l)
Sea water = 0,035 (mg/l)
intermittent emissions = 0,035 (mg/l)
STP = 16,24 (mg/l)

- Substance: Sodium p-cumenesulphonate
DNEL
Systemic effects Long term Workers inhalation = 53,6 (mg/m³)
Systemic effects Long term Workers dermal = 7,6 (mg/kg bw/day)
Systemic effects Long term Consumers inhalation = 13,2 (mg/m³)
Systemic effects Long term Consumers dermal = 3,8 (mg/kg bw/day)
Systemic effects Long term Consumers oral = 3,8 (mg/kg bw/day)
PNEC
Sweet water = 0,23 (mg/l)
intermittent emissions = 2,3 (mg/l)
STP = 100 (mg/l)

8.2. Exposure controls

Appropriate engineering controls:
Professional use:
Well ventilated environment. Observe the safety measures used in handling chemicals.

Individual protection measures:

- a) Eye / face protection
When handling the pure product use safety glasses (spectacles cage) (EN 166).
- b) Skin protection



i) Hand protection

When handling the pure product use chemical resistant protective gloves (EN 374-1/EN374-2/EN374-3)

ii) Other

When handling the pure product wear full protective skin clothing.

c) Respiratory protection

Not needed for normal use.

d) Thermal hazards

No hazard to report

Environmental exposure controls:

Use according to good working practices to avoid pollution into the environment.

SECTION9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical and chemical properties	Value
Appearance	Powder
Colour	White
Odour	Undefined
Odour threshold	Undefined
pH	Undefined
Melting point/freezing point	Undefined
Initial boiling point and boiling range	Undefined
Flash point	Undefined
Evaporation rate	Undefined
Flammability (solid, gas)	Undefined
Upper/lower flammability or explosive limits	Undefined
Vapour pressure	Undefined
Vapour density	Undefined
Relative density	Undefined
Solubility	Undefined
Water solubility	Undefined
Partition coefficient: n-octanol/water	Undefined
Auto-ignition temperature	Undefined
Decomposition temperature	Undefined
Viscosity	Undefined
Explosive properties	Undefined
Oxidising properties	Undefined

9.2. Other information

No data available.

SECTION 10. Stability and reactivity

10.1. Reactivity

Related to contained substances:

SODIUM PERCARBONATE:

Oxidizing substance: facilitates the combustion of other substances.

10.2. Chemical stability

No hazardous reaction when handled and stored according to provisions.

10.3. Possibility of hazardous reactions

There are no hazardous reactions

10.4. Conditions to avoid

Nothing to report

10.5. Incompatible materials

Nothing to report.

10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

SECTION 11. Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

ATE(mix) oral = 2.721,1 mg/kg

ATE(mix) dermal = ∞

ATE(mix) inhal = ∞

- (a) acute toxicity: based on available data, the classification criteria are not met.
- (b) skin corrosion/irritation: based on available data, the classification criteria are not met.
- (c) serious eye damage/irritation: If brought into contact with eyes, the product causes serious damages to eyes, such as an opaque cornea or injury to iris.
- (d) respiratory or skin sensitisation: based on available data, the classification criteria are not met.
- (e) germ cell mutagenicity: based on available data, the classification criteria are not met.
- (f) carcinogenicity: based on available data, the classification criteria are not met.
- (g) reproductive toxicity: based on available data, the classification criteria are not met.
- (h) specific target organ toxicity (STOT) single exposure: based on available data, the classification criteria are not met.
- (i) specific target organ toxicity (STOT) repeated exposure: based on available data, the classification criteria are not met.
- (j) aspiration hazard: based on available data, the classification criteria are not met.

Related to contained substances:

SODIUM PERCARBONATE:

LD50 (rat) Oral (mg/kg body weight) = 1034

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 2000

CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 700

11.2. Information on other hazards

No data available.

SECTION 12. Ecological information

12.1. Toxicity

Related to contained substances:

SODIUM PERCARBONATE:

EC50 = 4.6mg/L (invertebrates, daphnia magna, 48h)

EC50 = 8mg/L (alga, alaba anabaena, 140h)

LC50 = 70.7mg/L (fish, pimephales promelas, 96h)

NOEL = 7.4mg/L (fish, pimephales promelas, 96h)

NOEL = 2mg/L (invertebrates, daphnia magna, 48h)

Sodium p-cumenesulphonate:

C(E)L50 (mg/l) = 1000

NOEC (mg/l) = 31

Use according to good working practices to avoid pollution into the environment.

12.2. Persistence and degradability

Related to contained substances:

Sodium p-cumenesulphonate:

100% (28d)

12.3. Bioaccumulative potential

Related to contained substances:

Sodium p-cumenesulphonate:

Log Pow=-1,1

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No PBT/vPvB ingredient is present

12.6. Endocrine disrupting properties

No data available.

12.7. Other adverse effects

No adverse effects

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Do not reuse empty containers. Dispose of them in accordance with the regulations in force. Any remaining product should be disposed of according to applicable regulations by addressing to authorized companies. Recover if possible. Send to authorized discharge plants or for incineration under controlled conditions. Operate according to local and National rules in force

SECTION 14. Transport information

14.1. UN number or ID number

ADR/RID/IMDG/ICAO-IATA: 3378

If subject to the following characteristics is ADR exempt:

Combination packagings: per inner packaging 5 kg per package 30 Kg

Inner packagings placed in shrink-wrapped or stretch-wrapped trays: per inner packaging 5 kg per package 20 Kg



14.2. UN proper shipping name

ADR/RID/IMDG: CARBONATO DI SODIO PEROSSIDRATO

ADR/RID/IMDG: SODIUM CARBONATE PEROXYHYDRATE

ICAO-IATA: SODIUM CARBONATE PEROXYHYDRATE

14.3. Transport hazard class(es)

ADR/RID/IMDG/ICAO-IATA: Class : 5.1

ADR/RID/IMDG/ICAO-IATA: Label : 5.1

ADR: Tunnel restriction code : E

ADR/RID/IMDG/ICAO-IATA: Limited quantities : 5 kg

IMDG - EmS : F-A, S-Q

14.4. Packing group

ADR/RID/IMDG/ICAO-IATA: III

14.5. Environmental hazards

ADR/RID/ICAO-IATA: Product is not environmentally hazardous

IMDG: Marine polluting agent : Not

14.6. Special precautions for user

The goods must be transported by vehicles authorized to transport of dangerous goods according to the current edition of ADR requirements and applicable national regulations.

The goods must be in original packing, however, in packaging made of materials resistant to their content and not likely to generate with this dangerous reactions. People loading and unloading dangerous goods must be trained on the risks from these substances and that must be taken in case of emergency situations.

14.7. Maritime transport in bulk according to IMO instruments

It is not intended to carry bulk

SECTION 15. Regulatory information

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

Reg (EC) n. 1907/2006 (REACH), Reg (EC) n. 1272/2008 (CLP), Reg (EC) n. 878/2020 (Requirements for the compilation of safety data sheets), Reg (E) n.790/2009, Dir 96/82/EC as amended.

Seveso category:

P8 - OXIDISING LIQUIDS AND SOLIDS

REGULATION (EU) No 1357/2014 - waste:

HP2 - Oxidising

HP4 - Irritant — skin irritation and eye damage

15.2. Chemical safety assessment

No chemical safety assessment was carried out by the supplier

SECTION 16. Other information

16.1. Other information

Description of the hazard statements exposed to point 3

H272 = May intensify fire; oxidiser.

H302 = Harmful if swallowed.

H318 = Causes serious eye damage.

H319 = Causes serious eye irritation.

Classification based on data of all mixture components

Regulatory information:

Reg 1907/2006 EC

Reg 1272/2008 EC

Reg 878/2020 EC

Bibliographic data :

SAX 12 Ed Van Nostrand Reinhold

MERCK INDEX 15 Ed

ECHA: European Chemicals Agency (<https://echa.europa.eu/it/information-on-chemicals>)

OSHA: European Agency for Safety and Health at Work

IARC: International Agency for Research on Cancer

IPCS: International Programme on Chemical Safety (Cards)

NIOSH: Registry of toxic effects of chemical substances (1983)

ACGIH: American Conference of Governmental Industrial Hygienists

TOXNET: Toxicology Data Network

WHO: World Health Organization

CheLIST: Chemical Lists Information System

GESTIS: International Limit Value (<https://limitvalue.ifa.dguv.de/>)

Acronyms:

- ACGIH American Conference of Governmental Industrial Hygienists
- ADR Accord Européen Relatif au Transport International des Marchandises Dangereuses par Route (European accord regarding international transport of dangerous goods by land)
- bw body weight
- CLP Classification, Labelling and Packaging
- CSR Chemical Safety Report
- DMEL Derived Minimal Effect Level
- DNEL Derived No Effect Level
- dw dry weight
- EC Effective Concentration
- IATA International Air Transport Association
- IMDG International Maritime Dangerous Goods
- LC Lethal Concentration
- LD Lethal Dose
- m.w. molecular weight
- PBT Persistent, Bioaccumulative and Toxic
- PNEC Predicted No Effect Concentration
- OECD Organisation / Office for Economic Co-operation and Development
- STEL Short Term Exposure Limit
- SVHC Substance of Very High Concern
- TLV Threshold Limit Value
- TWA Time Weighted Average
- vPvB very Persistent, very Bioaccumulative and toxic
- WGK Wassergefährdungsklasse (Water hazard class)

NOTICE TO USERS

The information contained in this sheet are based on the knowledge available at the date of the preparation of this sheet.

The user must be aware of the possible risks associated with the use of the product, other than that for which the product is supplied. The sheet does not exonerate the user from knowing and applying all the regulations governing its activities. The set of regulations mentioned is simply to help the user to fulfill its obligations regarding the use of hazardous products.

This sheet does not exonerate the user from other legal obligations than those mentioned and from rules regulating possession and use of the product, since the user is the only responsible.

*** This sheet supersedes all previous editions.