

Item 1. Identification of the substance/mixture and of the company

1.1 Product Identifier

Substance name	: Sodium carbonate peroxyhydrate
Désignation commerciale	: DOEU014 Percarbonate of soda 1Kg La droguerie écopratique®
EINECS Number	: 239-707-6
CAS Number	: 15630-89-4

1.2 Relevant Identified Uses of the Substance

Bleaching agent

1.3 Renseignements concernant le fournisseur de la fiche de données de sécurité

Distributor :

Name / Corporate name	: Ecodis
Address	: ZA Kerboulard 56250 St Nolff - FRANCE
Phone	: 00 33 2.97.48.40.59
Fax	: 00 33 2.97.45.50.14

1.4 Emergency telephone number

Rennes Poisons Centre	Téléphone : 00 33 2.99.59.22.22
ORFILA	Téléphone : 00 33 1.45.42.59.59

Item 2. Hazard Identification

2.1. Classification of the substance

Classification According to EU-GHS Decree (EC) No. 1272/2008



GHS03 flame over a circle

Ox.sol.3. **H272** : May cause fire ; oxidizing



GHS05 corrosion

Eye Dam.1. **H318** : Causes serious eye damage



GHS07

Acute Tox. 4 **H302** : Harmful if swallowed

2.2. Labelling elements

Labelling according to Regulation (EC) No 1272/2008 [CLP] The substance is classified and labelled according to the CLP Regulation.

Hazard pictograms (CLP) : GHS03, GHS05, GHS07

Warning Notice (CLP) : Danger

Danger Phrases (CLP) : H272 May aggravate fire, oxidizer
H308 harmful if swallowed
H318 Causes severe eye damage

Precautionary statements (CLP) : P210 Keep away from heat, hot surfaces, sparks, open flames and all other sources of ignition. Do not smoke.

P220 Keep/store away from clothing/combustible materials

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

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if worn and easily removable. Continue rinsing.

P370 + P378 In case of fire: use for extinguishing: water

P401 Store in a dry place. Store at a temperature not exceeding 40°C/104°F.

Safety phrases : S2 Keep out of reach of children.

Item 3. Composition/information on ingredients

3.1. Substances

· Ingrédients:		
CAS: 15630-89-4 EINECS: 239-707-6	Carbonate de sodium peroxyhydraté Ox. Sol. 3, H272; Eye Dam. 1, H318; Acute Tox. 4, H302	≥ 85%
CAS: 7757-82-6 EINECS: 231-820-9	Sulfate de sodium	≤ 10%
CAS: 497-19-8 EINECS: 207-838-8 Numéro index: 011-005-00-2	carbonate de sodium Eye Irrit. 2, H319	≤ 7%

Generic/specific concentration limit according to Regulation (EC) No 1272/2008

C ≥25% H318 - Eye Damage 1

7.5 ≤25% H319 - eye Irrit. 2

Additional information : Chemical formula: Na₂CO₃ • 1.5H₂O
Molecular weight: 157.03g/mol
For the wording of the risk phrases quoted, refer to chapter 16.

3.2. Mixtures

Not applicable

Item 4. First Aid

4.1. Description of first aid

General first aid : Self-protection of the emergency responder. Remove subjects from the danger zone and lay them down. Immediately remove clothing contaminated by the product. Keep warm, quiet and covered. Do not leave subjects unattended. In case of unconsciousness, lie down and transport the person in a stable lateral position.

Eye contact : IF IN EYE S: Rinse cautiously with water for several minutes. Remove contact lenses if worn and easily removable. Continue rinsing. Protect intact eye. Immediately send for a doctor.

After skin contact : Wash immediately with water. If skin irritation persists, seek medical attention.

Ingestion : If swallowed, rinse mouth with water (only if conscious). Drink plenty of water and provide fresh air. Do not induce vomiting, seek medical assistance urgently.

First aid after inhalation : Provide fresh air. If breathing is difficult, give oxygen. If you feel unwell, seek medical treatment.

4.2. Main acute and delayed symptoms and effects

Irritant pour les muqueuses. Provoque des lésions oculaires graves. Irritant pour les voies respiratoires et la peau

4.3. Indication of any immediate medical care and special treatment required

If opening the eyelids for care is difficult, a local anaesthetic may be administered (example : Oxybuprocaine).

Item 5. Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water
Mousse
The product is not flammable.
Adapt fire extinguishing measures to the environment.

Unsuitable extinguishing media : High flow water jet

5.2. Special hazards arising from the substance or mixture

May aggravate a fire; oxidizing.
May be released in case of fire: Oxygen
Strong heating causes pressure build-up and risk of bursting.

5.3. Advice for firefighters

Special protective equipment for responders : Wear self-contained breathing apparatus for firefighting if necessary. Use full protective equipment

Special instructions : Residues from the fire and contaminated water used to extinguish it must be disposed of in accordance with administrative guidelines.

Item 6. Measures to be taken in the event of accidental release

6.1. Personal precautions, protective equipment and emergency procedures

Wear safety equipment. Keep unprotected persons away.
Avoid contact with eyes and skin.

6.2. Precautions to be taken for the environment

Do not discharge into drains, surface water or ground water.
In case of entry into water or sewerage system, notify the relevant authorities.

6.3. Methods and equipment for containment and clean-up

Collect by mechanical means.
Avoid formation of dust.
Place in special collection or disposal containers.
Dispose of collected material in accordance with regulations.
Thoroughly clean the accident site. Suitable products are water.

Item 7. Handling and Storage

7.1. Precautions for safe handling

Precautions for safe handling : Observe the usual safety precautions for the use of chemicals.
Make the operating instructions / worksheet available.
Wear personal protective clothing.
Avoid contact with eyes and skin.
Provide an emergency eye shower and clearly indicate its location.
Avoid formation of dust.
Dust formations that cannot be avoided must be collected regularly.
Use suitable industrial vacuum cleaners or central vacuum cleaners for dust collection.

Hygiene measures : Do not drink, eat or smoke at the workplace. Wash hands after handling

7.2. Conditions for safe storage, including possible incompatibilities

Technical measures : Store in a cool place.
Store dry.
Suitable material for tanks and pipes:
Polyethylene
Polyvinyl chloride (PVC)
Paper bags with polyethylene lining
Vanadium steels: 1.4571, passivated
Aluminium, passivated
Glass
Ceramics
Concrete

Storage conditions : Protect from strong heat and direct sunlight.
 Store in a cool place, as high temperatures can cause pressure build-up and risk of bursting.
 Do not seal packaging in a gas-tight manner.
 Incompatible products: Do not store with alkalis (lyes).
 Do not store with acids.
 Do not store with reducing agents.
 Do not store with flammable materials.
 Do not store with metal salts.

Fire Prevention : Keep away from ignition sources - do not smoke.
 Keep away from combustible materials.
 May aggravate a fire; oxidizing.

Storage class : 5.1B

Item 8. Exposure controls / personal protection

8.1. Control parameters

Components with threshold values to be monitored per workstation : None

· DNEL		
15630-89-4 Carbonate de sodium peroxyhydraté		
Dermique	DNEL acute effects	6,4 mg/cm ² (Human (consumer)) 12,8 mg/cm ² (Human (worker))
Inhalatoire	DNEL system. effects	5 mg/m ³ (Human (worker))
· PNEC		
PNEC STP	16,24 mg/l (Sewage Treatment Plant)	
PNEC aquatic	35 µg/l (Algae)	

8.2. Exposure controls

Appropriate engineering controls : Wash hands before breaks and at the end of work. Avoid contact with eyes and skin. Do not inhale dust, smoke, clouds. Do not eat, drink, smoke or snuff at work.

Hand protection : Protective gloves. Value for permeability: Rate 240 min. (EN 374) The exact penetration time is to be determined by the manufacturer of the protective gloves and must be observed. Nitrile rubber, PVC butyl rubber. Rubber gloves. Neoprene gloves

Eye protection : Tightly sealed safety glasses. Protective glasses against glass breakage

Skin and body protection : Protective work clothing

Respiratory protection : Use respiratory protection in case of high concentrations. Filter recommended for momentary use: P2 Filter or FFP2 Filter.

Item 9. Chemical and physical properties

9.1. Information on essential physical and chemical properties

Appearance : Free-flowing granulated salt

Color : White

Odor : Odorless

Flash point : Not applicable

Flammability : Contact with combustible materials may cause fire

Decomposition temperature : > 65°C

Spontaneous flammability : Product does not ignite spontaneously

Explosive properties : The product is not explosive

Vapour pressure : Not applicable

pH : 10.6 ± 0.2

Melting temperature : Not applicable

Boiling temperature : Not applicable

Water solubility : 140 g/L

Density : 900 - 1200 kg/cm³ (TDS)

9.2. Other information

Other properties : Active oxygen: ca. 13,5 %.

Item 10. Stability and reactivity

10.1. Reactivity

No other important information available.

10.2. Chemical stability

Thermal decomposition/conditions to avoid : Start of thermal decomposition at > 65 °C.

10.3. Possibility of dangerous reactions

Exothermic thermal decomposition ;
Reactions to alkalis (alkali lye) ;
Reactions to acids ;
Reactions to reducing agents.

10.4. Conditions to avoid

Protect from strong heat and direct sunlight ;
Protect from humidity and water.

10.5. Compatible materials

Metal salts ;
Acid ;
Alkalis (alkali lyes) ;
Reducing agent.

10.6. Hazardous decomposition products

Thermal Decomposition Products: Oxygen and Vapour

Item 11. Toxicological Information

11.1. Information on toxicological effects

Acute toxicity : Harmful if swallowed.

· Valeurs LD/LC50 déterminantes pour la classification:		
15630-89-4 Carbonate de sodium peroxyhydraté		
Oral	LD50	2200 mg/kg (Mouse (female)) Momma et al. (1986) 2050 mg/kg (Mouse (male)) Moma et al. (1996) 1034 mg/kg (rat) Glaza (1990a)
Dermique	LD50	> 2000 mg/kg (lapin) Glaza (1990b)

Corrosion / Skin Irritation : Not classified

pH : 11.2

Serious Eye Damage : Causes serious eye damage
Rabbit : 10 mg / 72h corrosive (Method: OECD TG 405)
Rabbit : 50 mg / 48h corrosive (Method: OECD TG 405)

Additional Indications : Experience with people: Irritating to eyes and skin.

Respiratory or skin sensitization : Buehler Test Guinea pig: not skin sensitive

Germ Cell Mutagenicity : Not Classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific Target Organ Toxicity (single exposure) : Not Classified

Specific Target Organ Toxicity (Repeated Exposure): Not Classified

Aspiration hazard : Not classified

Item 12. Ecological information

General information : Prevent contact with soil, water, sewage.

Toxicity :

Toxicité aquatique:	
15630-89-4 Carbonate de sodium peroxyhydraté	
EC50/48h	4,9 mg/l (Daphnia pulex) (US EPA 1985, 1987, 40 CFR Parts 796, 797, 798) Shurtleff (1989b)
LC50/96h	70,7 mg/l (Pimephales promelas) (US EPA 1985, 1987, 40; CFR Parts 796, 797, 798) Shurtleff (1989a)
NOEC/48 h	2 mg/l (Daphnia pulex)
NOEC/96h	7,4 mg/l (Pimephales promelas)

Persistence and degradability : The product is unstable in water. Indications for elimination also refer to hydrolysis products.

Other indications : Abiotic degradation by hydrolysis and reduction.

Bioaccumulative potential : Negligible.

Mobility in soil : Not applicable

Other ecological indications: AOX indication : The product does not contain organically bound halogens (AOX-free)

General information : Water hazard class 1 (D) (classification according to list): slightly hazardous to water quality.

Other adverse effects : No other important information available

Item 13. Disposal Considerations

Waste treatment methods : Recommendation: must be subject to special treatment in accordance with legal requirements. Assessment in accordance with legal requirements.

Waste code : 51540 (ÖNORM S 2100)

Packaging : Do not reuse empty containers and dispose of according to local regulations. Disposal according to legal regulations.

Item 14. Transport information

14.1. Numero ONU

ADR,RID,ADN, IMDG, IATA : UN3378

14.2. ONU Proper Shipping Name

ADR/RID/ADN : 3378 CARBONATE DE SODIUM PEROXYHYDRATÉ

IMDG, IATA : SODIUM CARBONATE PEROXYHYDRATE

14.3. Transport hazard classes

ADR/RID/ADN



Classe : 5.1 (O2) Oxidizing materials

Label : 5.1

IMDG, IATA



Classe : 5.1 (O2) Oxidizing materials

Label : 5.1

14.4. Packing groups

ADR,RID,ADN, IMDG, IATA III

14.5. Environmental hazards

None

14.6. Special precautions to be taken by the user

Warning : Oxidizing materials.
Indice Kemler : 50
Numero EMS : F-A, S-Q
Segregation groups : Peroxides

14.7. Carriage in bulk in accordance with Annex II of the Marpol Convention and the IBC Code

Not applicable

14.8. Additional transport information

Protect from strong heat and direct sunlight.
Store in a cool place.

ADR/RID/ADN

Excepted quantities (EQ) Code : E1
Maximum net quantity per inner packaging : 30 g
Maximum net quantity per outer packaging : 1000 g

IMDG

Limited Quantities (LQ) : 5 kg
Exempt Quantity (EQ) Code : E1
Maximum net quantity per inner packaging : 30 g
Maximum net quantity per outer packaging : 1000 g

Item 15. Regulatory information

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

Sara

Section 302 (extremely hazardous substances) : The substance is not included
Section 313 (specific toxic chemical listings) : Substance is not included
TSCA (Toxic Substance Control Act) : The substance is not included

Proposition 65

Chemicals known to cause cancer : The substance is not included.
Chemicals known to cause reproductive toxicity to females : The substance is not included.
Chemicals known to cause reproductive toxicity to males : The substance is not included.
Chemicals known to cause development toxicity : The substance is not included in the list.

Carcinogenicity categories

EPA (Environmental Protection Agency) : The substance is not included.
TLV (Threshold limit Value established by ACGIH) : The substance is not included
NIOSH-Ca (National Institute for Occupational Safety and Health) : The substance is not included in the scope of this document.
European Inventory of existing Commercial Chemical Substances (EINECS) : Substance is not included

Canadian Substances List

Canada's Domestic Substances List (DSL) : Substance not included
Canadian Ingredient Disclosure List (0.1% limit) : Substance is not included
Canadian Ingredient Disclosure List (1% limit) : Substance is not included
Philippines Inventory of Chemicals and Chemical Substances : The substance is not included
Chinese Chemical Inventory of existing Chemical Substances : Substance is not included
Australian Inventory of Chemical Substances : Substance not included
Standard for the Uniform Scheduling of drugs and Poisons : The substance is not included
New Zealand Inventory Of Chemicals : Substance not included
Existing and new chemical List (Japan) 1-143
Directive 2012/18/EU
Category SEVESO P8 LIQUIDS AND SOLID FUELS
Threshold quantity (tonnes) for application of the lower threshold requirements 50t
Threshold quantity (tonnes) for application of upper threshold requirements 200t

15.2. Chemical safety assessment

A chemical safety assessment has been carried out.

Item 16. Other information

This sheet supplements the technical instructions for use but does not replace them. The information given corresponds to the current state of our supplier's knowledge and experience of the product and is not exhaustive. It applies to the product as is, in accordance with the specifications, unless otherwise stated. In the case of combinations or mixtures, ensure that no new hazards can arise. It in no way exempts the user of the product from complying with all laws, regulations and administrative texts relating to the product, safety, hygiene and the protection of human health and the environment.