

Sodium peroxide
71883-1KG

Version 1.4

Issuing date

Revision Date 11/28/2017

Print Date 08/07/2019

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**Product information**

Trade name : Sodium peroxide

Number : 000000020768

Recommended use of the chemical and restrictions on use : Laboratory chemicals

Manufacturer or supplier's details : Honeywell Specialty Chemicals Seelze GmbH
Wunstorfer Straße 40
Seelze, 30926

For further information, please contact: : 1-800-368-0050
+1-231-726-3171
(Monday-Friday, 9:00am-5:00pm)

In case of emergency call : **Medical: 1-800-498-5701 or +1-303-389-1414**
: **Transportation (CHEMTREC): 1-800-424-9300 or +1-703-527-3887**
: **In Japan: +(81)-345209637**
: (24 hours/day, 7 days/week)

2. HAZARDS IDENTIFICATION**Classification of the substance or mixture**

Classification of the substance or mixture : Oxidizing solids, Category 1
Skin corrosion, Category 1A
Serious eye damage, Category 1

GHS Label elements, including precautionary statements

Symbol(s)



Signal word : Danger

Hazard statements : May cause fire or explosion; strong oxidizer.
Causes severe skin burns and eye damage.

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Precautionary statements

: **Prevention:**

Keep away from heat.
Keep/Store away from clothing/ combustible materials.
Take any precaution to avoid mixing with combustibles.
Do not breathe dust or mist.
Wash skin thoroughly after handling.
Wear protective gloves/ protective clothing/ eye protection/ face protection.
Wear fire/ flame resistant/ retardant clothing.

Response:

IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF ON CLOTHING: rinse immediately contaminated clothing and skin with plenty of water before removing clothes. Immediately call a POISON CENTER/doctor.
Specific treatment (see supplemental first aid instructions on this label).
Wash contaminated clothing before reuse.
In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

Storage:

Store locked up.

Disposal:

Dispose of contents/ container to an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTSFormula : Na₂O₂

Chemical nature : Substance

Chemical name	CAS-No.	Concentration
Sodium peroxide	1313-60-6	100.00 %
Sodium peroxide		

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4. FIRST AID MEASURES

- General advice : First aider needs to protect himself.
Move out of dangerous area.
Show this safety data sheet to the doctor in attendance.
- Inhalation : If inhaled, remove to fresh air.
If breathing is difficult, give oxygen.
Consult a physician.
- Skin contact : Wash off immediately with plenty of water for at least 15 minutes.
Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.
- Eye contact : Protect unharmed eye.
Rinse thoroughly with plenty of water, also under the eyelids.
Call a physician immediately.
- Ingestion : If swallowed, rinse mouth with water (only if the person is conscious).
Call a physician immediately.

5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Dry powder
Dry sand
- Unsuitable extinguishing media : Water spray
Carbon dioxide (CO₂)
Alcohol-resistant foam
Do not use a solid water stream as it may scatter and spread fire.
- Specific hazards during firefighting : Strong oxidizer. Contact with other material may cause fire.
The product itself does not burn.
Fire or intense heat may cause violent rupture of packages.
Use a water spray to cool fully closed containers.
- Special protective equipment for firefighters : Wear self-contained breathing apparatus and protective suit.
No unprotected exposed skin areas.
- Further information : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Remove undamaged containers from fire area if it is safe to do so.
Do not allow run-off from fire fighting to enter drains or water

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courses.
Fight fire remotely due to the risk of explosion.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Evacuate personnel to safe areas.
Wear personal protective equipment. Unprotected persons must be kept away.
Keep people away from and upwind of spill/leak.
Remove all sources of ignition.
Do not breathe dust.
Do not get in eyes, on skin, or on clothing.
- Environmental precautions : Prevent further leakage or spillage if safe to do so.
- Methods and materials for containment and cleaning up : Protect against water.
Do not pick up with the help of saw-dust or other combustible substances.
Take up mechanically and collect in suitable container for disposal.
Dispose of promptly.

7. HANDLING AND STORAGE**Handling**

- Precautions for safe handling : Wear personal protective equipment.
Use only in well-ventilated areas.
Keep limited supplies at workplace.
Protect from atmospheric moisture and water.
Plan first aid action before beginning work with this product.
Never return unused material to storage receptacle.
Protect from contamination.
Do not breathe dust.
Do not get in eyes, on skin, or on clothing.

- Advice on protection against fire and explosion : The product itself does not burn.
Normal measures for preventive fire protection.
Keep away from combustible material.
Keep away from heat and sources of ignition.

Storage

- Conditions for safe storage, including any incompatibilities : Store in original container.
Keep containers tightly closed in a dry, cool and well-ventilated place.
Protect from atmospheric moisture and water.

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Do not store near combustible materials.

Further information on
storage conditions: Keep locked up or in an area accessible only to qualified or
authorised persons.

Advice on common storage

: Keep away from water.
Do not store near acids.
Do not store together with:
Reducing agents
Flammable liquids
Flammable solids**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

Appropriate engineering controls

Use with local exhaust ventilation.

Individual protection measures, such as personal protective equipment

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory
equipment.

Hand protection

: Wear nitrile rubber gloves to avoid contact with the skin.
Gloves must be inspected prior to use.
Replace when worn.

Eye protection

: Safety goggles
Face-shield

Skin and body protection

: Wear suitable protective equipment.
Complete suit protecting against chemicals
Lab coat

Hygiene measures

: Separate rooms are required for washing, showering and
changing clothes.
When using do not eat or drink.
When using do not smoke.
Take off all contaminated clothing immediately.
Recommended preventive skin protection

Protective measures

: Ensure that eyewash stations and safety showers are close to
the workstation location.
Legal requirements are to be considered in regard of the
selection, use and care of personal protective equipment.
Do not breathe dust.

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Do not get in eyes, on skin, or on clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: prill
Colour	: yellowish
Odour	: odourless
pH	: Note: alkaline, (as aqueous solution)
Melting point/range	: 660 °C
Boiling point/boiling range	: Note: Not applicable, Decomposes on heating.
Flash point	: Note: Not applicable
Flammability	: The product is not flammable.
Lower explosion limit	: Note: Not applicable
Upper explosion limit	: Note: Not applicable
Vapour pressure	: Note: negligible
Density	: 2.8 g/cm ³ at 20 °C
Water solubility	: Note: Decomposes in contact with water.
Partition coefficient: n-octanol/water	: Note: Not applicable
Ignition temperature	: Note: Not applicable
Auto-ignition temperature	: Note: not auto-flammable

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Decomposition temperature	: Note: Hazardous decomposition products formed under fire conditions., hygroscopic, Stable under normal conditions.
Viscosity, dynamic	: Note: Not applicable
Viscosity, kinematic	: Note: Not applicable
Oxidizing properties	: The substance or mixture is classified as oxidizing with the category 1.
Molecular weight	: 77.98 g/mol
Bulk density	: Note: no data available

10. STABILITY AND REACTIVITY

Chemical stability	: No decomposition if stored and applied as directed.
Possibility of hazardous reactions	: Reacts violently with water. Avoid moisture.
Conditions to avoid	: Protect from atmospheric moisture and water. Corrodes metals in the presence of water or moisture. Protect from contamination. Avoid contact with combustible material (paper, wool, oil).
Incompatible materials to avoid	: Water Metals Organic materials Strong reducing agents Strong acids Combustible material
Hazardous decomposition products	: Sodium hydroxide Hydrogen peroxide Oxygen

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	: Note: no data available
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Acute inhalation toxicity : Note: no data available

Acute dermal toxicity : Note: no data available

Skin irritation : Note: Classification based on Annex VI of regulation 1272/2008/EC.

Eye irritation : Note: Classification based on Annex VI of regulation 1272/2008/EC.

Sensitisation : Note: no data available

12. ECOLOGICAL INFORMATION**Toxicity**

Toxicity to fish : Note: no data available

Toxicity to daphnia and other aquatic invertebrates : Note: no data available

Toxicity to algae : Note: no data available

Persistence and degradability

Biodegradability : Note: The methods for determining biodegradability are not applicable to inorganic substances.

Other adverse effectsAdditional ecological information : We have no quantitative data concerning the ecological effects of this product.
Neutralisation will reduce ecotoxic effects.

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13. DISPOSAL CONSIDERATIONS

Disposal methods : In accordance with local and national regulations.

14. TRANSPORT INFORMATION**ADR**

UN/ID No. : UN 1504
Description of the goods : SODIUM PEROXIDE
Class : 5.1
Packing group : I
Classification Code : O2
Labels : 5.1

IATA

UN/ID No. : UN 1504
Description of the goods : Sodium peroxide
Class : 5.1
Packing group : I
Labels : 5.1
Packing instruction (cargo aircraft) : 561

IATA_P

UN/ID No. : UN 1504
Class : 5.1
Not permitted for transport

IMDG

UN/ID No. : UN 1504
Description of the goods : SODIUM PEROXIDE
Class : 5.1
Packing group : I
Labels : 5.1
EmS Number 1 : F-G
EmS Number 2 : S-Q

Marine pollutant : no

15. REGULATORY INFORMATION**National regulatory information**

Vessel Safety Law : Oxidizing substances and organic peroxides (Article 2 and 3 of
JP VSL rules on shipping and storage of dangerous goods and its
Attached Table 1)

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Aviation Law : Oxidizing substances and organic peroxides (Article 194 of The
JP AVL Enforcement Rules of Aviation Law and its Attached Table 1)

Fire Service Law : Group 1 Oxidizing solids
Inorganic peroxides
Hazardous rank I
Be careful with fire and shock

Poisonous and Deleterious : Deleterious substance not for pharmaceutical use
Substances Control Law 11
Sodium peroxide 1313-60-6

Other international regulations**Notification status**

US. Toxic Substances : On TSCA Inventory
Control Act

Australia. Industrial Chemical : On the inventory, or in compliance with the inventory
(Notification and
Assessment) Act

Canada. Canadian : All components of this product are on the Canadian DSL
Environmental Protection Act
(CEPA). Domestic
Substances List (DSL)

Japan. Kashin-Hou Law List : On the inventory, or in compliance with the inventory

Korea. Existing Chemicals : On the inventory, or in compliance with the inventory
Inventory (KECI)

Philippines. The Toxic : On the inventory, or in compliance with the inventory
Substances and Hazardous
and Nuclear Waste Control
Act

China. Inventory of Existing : On the inventory, or in compliance with the inventory
Chemical Substances

New Zealand. Inventory of : On the inventory, or in compliance with the inventory
Chemicals (NZIoC), as

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16. OTHER INFORMATION

	HMIS III	NFPA
Health hazard	: 3	3
Flammability	: 0	0
Physical Hazard	: 3	
Instability	:	1
Special hazard.	:	OX

Hazard rating and rating systems (e.g. HMIS® III, NFPA): This information is intended solely for the use of individuals trained in the particular system.

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Final determination of suitability of any material is the sole responsibility of the user. This information should not constitute a guarantee for any specific product properties.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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Prepared by Honeywell Performance Materials and Technologies Product Stewardship Group