

SAFETY DATA SHEET SODIUM PERCARBONATE (coated)

Revision 13.11.2014
supersedes all earlier versions

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

1.1. Product identifier

Sodium Percarbonate, also known as Sodium Percarbonate (coated), Peroxy Sodium Carbonate, Sodium Carbonate Peroxide, Sodium Peroxyhydrate.

REACH Registration No: 01-2119457268-30

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

Identified uses: Manufacture of biocides (disinfectants and pest control products).

1.3. Details of the supplier

RS Minerals Ltd, 23 Allerston Way, Guisborough, Cleveland TS14 6GA, United Kingdom
info@rsminerals.co.uk

1.4. Emergency telephone number

+ 44 (0)1287 631530

2. HAZARD IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Oxidizing solids (Category 2), H272

Acute toxicity, Oral (Category 4), H302

Serious eye damage (Category 1), H318

For the full text of the H-Statements mentioned in this Section, see Section 16.

Classification according to EU Directives 67/548/EEC or 1999/45/EC

O, Xn Oxidising, Harmful R 8, R22, R41

For the full text of the R-phrases mentioned in this Section, see Section 16.

2.2. Label elements

Labelling according Regulation (EC) No 1272/2008

Pictogram: (To Be Added)

Signal word: Danger

Hazard statement(s):

H272 May intensify fire; oxidiser.

H302 Harmful if swallowed.

H318 Causes serious eye damage.

Precautionary statement(s) – Prevention :

P210 - Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P220 - Keep/Store away from clothing//combustible materials.
P221 - Take any precaution to avoid mixing with combustibles
P264 - Wash with water and soap thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P401 - Store in a dry place at temperatures not exceeding 40C /104F

Precautionary statement(s) – Response :

P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
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 or doctor/physician.
P330 - Rinse mouth.
P370+P378 - In case of fire: Use water for extinction.

Precautionary statement(s) – Disposal :

P501 - Dispose of contents/container to local and national regulations

Supplemental Hazard Statements:

None

2.3. Other hazards

None

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients according to Regulation (EC) No 1272/2008

Sodium Percarbonate. =< 100%.

CAS-No. 15630-89-4; EC-No. 239-707-6; REACH Registration No: 01-2119457268-30
Ox. Sol. 2; Acute Tox. 4; Eye Dam. 1; H272, H302, H318

Hazardous ingredients according to Regulation (EC) No 67/548/EEC / 1999/45/EC

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CAS-No. 15630-89-4; EC-No. 239-707-6; REACH Registration No: 01-2119457268-30
O; R8 Xn; R22 Xi; R41

4. FIRST AID MEASURES

4.1. Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

Harmful by inhalation. Inhalation may cause nausea and vomiting. May cause dizziness and headache. Prolonged or repeated exposure may cause sore throat, nose bleeds and chronic bronchitis. In case of accident by inhalation: remove casualty to fresh air and keep at rest. Seek medical attention.

In case of skin contact

May cause irritation to skin. May cause dermatitis. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.

In case of eye contact

May cause irritation to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention.

If swallowed

Harmful if swallowed. DO NOT INDUCE VOMITING. If swallowed, seek medical advice immediately and show this container or label. Ingestion may cause bloating of stomach, nausea, vomiting and diarrhea. Severe irritation of the mouth, throat, esophagus and stomach. Seek medical attention.

5. FIRE FIGHTING MEASURES**5.1. Extinguishing media****Suitable extinguishing media**

Water. Do NOT use any other substances.

5.2 Special hazards arising from the substance or mixture

Burning produces irritating, toxic and obnoxious fumes. Not combustible. May decompose slowly if local heating up above 50°C. Sodium carbonates and hydrogenium peroxide may be formed in fire conditions. In case of fire carbon monoxide and carbon dioxide, NaOx can be released.

5.3 Advice for firefighters

Wear self-contained breathing apparatus for fire-fighting if necessary.

5.4 Further information

Use water spray to cool unopened containers.

6. ACCIDENTAL RELEASE MEASURES**6.1. Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation of the working area. Avoid contact with skin and eyes. Avoid formation of dust. Do not breathe dust. Wear suitable protective equipment.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up

Sweep up and shovel. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide exhaust ventilation at places where dust is formed. Keep away from heat and sources of ignition. Normal measures for preventive fire protection. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool place. Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Protective gloves should conform with the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Full contact:

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Splash contact:

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Body Protection

Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate, use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Granular solid
Colour:	White
Odour:	Odourless
Melting Point:	Decomposes at 60°C
pH:	10
Relative Density:	2.01 – 2.16 (Water = 1 at 20°C)
Solubility:	150 g/l

10. STABILITY AND REACTIVITY

10.1. Reactivity

Reactive; oxidising agent.

10.2. Chemical stability

Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions

Organic materials. metal ions, metals, alkalis, reducing agents.

10.4. Conditions to avoid

Heat, light, moisture.

10.5. Incompatible materials

Acids, alkalis, reducing agents. Avoid contact with: Combustible, flammable and organic materials, decomposition catalyst (the majority of metals and their salts).

10.6. Further Information

May decompose slowly if local heating up above 50C.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

LD50 Oral - rat – 1034 mg/kg

LD50 Dermal - rabbit - > 2000 mg/kg

Skin corrosion/irritation

Skin - rabbit

Result: Mild skin irritation

Serious eye damage/eye irritation

Eyes - rabbit

Result: Severe eye irritation

Respiratory or skin sensitisation

no data available

Germ cell mutagenicity

No data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

Additional Information

RTECS: FG0750000

Cough, Shortness of breath, Headache, Nausea, Vomiting.

12. ECOLOGICAL INFORMATION**Ecotoxicity****12.1. Toxicity**

Daphnia EC50/48h: 4.9 mg/l

Fish LC50/96h: 70.7 mg/l

12.2. Persistence and degradability

Biodegradability does not apply to inorganic compounds.

12.3. Bioaccumulative potential

The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil

Highly motile in soil.

12.5. Results of PBT and vPvB assessment

N/A.

12.6. Other adverse effects

This product is toxic to aquatic life. Do not allow product to enter drains. Do not allow runoff water to enter sewers or drains.

13. DISPOSAL CONSIDERATIONS

General information

Dispose of in accordance with all local and national regulations.

13.1. Waste treatment methods

06 13 wastes from inorganic chemical processes not otherwise specified.

14. TRANSPORT INFORMATION

14.1 UN number

ADR/RID: 3378

IMDG: 3378

IATA: 3378

14.2 UN proper shipping name

ADR/RID: SODIUM CARBONATE PEROXYHYDRATE

IMDG: SODIUM CARBONATE PEROXYHYDRATE

IATA: Sodium carbonate peroxyhydrate

14.3 Transport hazard class(es)

ADR/RID: 5.1

IMDG: 5.1

IATA: 5.1

14.4 Packaging group

ADR/RID: II

IMDG: II

IATA: II

14.5 Environmental hazards

ADR/RID: No

IMDG Marine pollutant: No

IATA: No

14.6 Special precautions for user

No data available

15. REGULATORY INFORMATION

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

1. Health and Safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.
2. The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).
3. Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.
4. REACH – Exempted in accordance with Annex V.7
5. Workplace Exposure Limits 2005 (EH40)

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

16. OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

Acute Tox. Acute toxicity
Eye Dam. Serious eye damage
H272 May intensify fire; oxidiser.
H302 Harmful if swallowed.
H318 Causes serious eye damage.
Ox. Sol. Oxidizing solids

Full text of R-phrases referred to under sections 2 and 3

O Oxidising
Xn Harmful
R 8 Contact with combustible material may cause fire.
R22 Harmful if swallowed.
R41 Risk of serious damage to eyes.

RS Minerals Ltd provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate handling of the product by a properly trained person. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

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End of Safety Data Sheet