Material Safety Data Sheet / Safety Data sheet
Sodium Percarbonate

Section 1: Chemical Product Identifier and Synonyms

Product Name: Sodium Percarbonate

UN Number: UN3378

CAS Number: 15630-89-4

Synonym:

Chemical Formula: Na2H3CO6

Section 2: Composition and Information on Ingredients

Composition

Name	CAS Number:	% By Weight
Sodium Percarbonate	15630-89-4	>95%

Toxicology Data On Ingredients: Sodium Percarbonate LD50: Not Available. LC50: Not Available

Section 3: Hazards Identification

Potential Acute Health Effects:
Harmful if swallowed.

Causes serious eye damage.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged exposure is not known to aggravate medical condition.

Section 4: First Aid Measures

Eye Contact:

Flush immediately with water for at least 30 minutes. Forcibly hold eyelids apart to ensure complete irrigation of eye tissue. If a contact lens is present, remove only if easy to do so. Seek immediate medical attention.

Skin Contact:

Remove contaminated clothing. Wash affected area with soap and water. Seek medical attention if irritation occurs or persists.

Inhalation:

If symptoms are experienced, remove victim to fresh air. Give artificial respiration only if breathing has stopped. If breathing is difficult, give oxygen. Seek medical attention.

Ingestion:

Do NOT induce vomiting. Never give anything by mouth to an unconscious or convulsing person. Seek immediate medical attention. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. If the subject is completely conscious give 2-4 glasses of water to dilute the chemical.

Section 5: Fire and Explosion Data

Flammability of the Product: Non-Flammable.
Auto-Ignition Temperature: Not available.
Flash Points: Not applicable.
Flammable Limits: Not applicable.
Products of Combustion: Not available.
Fire Hazards in Presence of Various Substances: Not applicable.
Explosion Hazards in Presence of Various Substances: Not available.
Risks of explosion of the product in presence of mechanical impact: Not available.
Risks of explosion of the product in presence of static discharge: Not available.
Fire Fighting Media and Instructions: Flood with water for extinguishing agent.

Special Remarks on Fire Hazards: Do not use dry chemicals or foams.
Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill:

Ensure adequate ventilation. Use personal protective equipment. Avoid dust formation. Keep people away from and upwind of spill/leak. Evacuate personnel to safe areas.

Large Spill:

Do not use combustible materials such as sawdust as an absorbent. Pick up solids and put in an appropriate sealed container for later disposal. Avoid dry sweeping and any dust formation. Do not use compressed air to clean surfaces. Vacuuming or wet sweeping is

preferred. Do not return spilled or contaminated material to inventory.

Section 7: Handling and Storage

Precautions:

Use proper equipment for lifting and transporting all containers. Use sensible industrial hygiene and housekeeping practices. Wash thoroughly after handling. Avoid all situations that could lead to harmful exposure.

Storage:

Store in a cool, dry, well ventilated area, away from heat and ignition sources. Place away from incompatible materials. Store in vented containers. Do not exceed sealed containers to temperatures above 40°C. Do not store on wooden floors or wooden pallets. Protect against moisture. Damp material may decompose exothermically and may cause combustion of organic material. Oxygen release due to exothermic decomposition may support combustion. Prolonged storage may result in lumping or caking. Keep away from direct sunlight. Protect against physical damage. Store in accordance with good industrial practices.

Section 8: Exposure Controls / Personal Protection

Engineering Controls:

Mechanical ventilation (dilution or local exhaust), process or personnel enclosure and control of process conditions must be provided in accordance with all fire codes and regulatory requirements. Supply sufficient replacement air to make up for air removed by exhaust systems.

Emergency shower and eyewash must be available and tested in accordance with regulations and be in close proximity.

Personal Protection:

Safety glasses. Gloves. Protective clothing. Dust production: dust mask with filter.

Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:

Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Powder.

Odour: Odourless.

Taste: Not available.

Molecular Weight: 168.02 g/mole

Colour: White
pH (1% soln/water): 10.4-10.6 ; 140 g/l ; 20°C.
Boiling Point: Decomposes.
Melting Point: Decomposes.
Critical Temperature: Not available.
Specific Gravity: 2.16 (Water = 1)
Vapour Pressure: Not available.
Vapour Density: Not available.
Volatility: Not available.
Odour Threshold: Not available.
Water/Oil Dist. Coeff.: Not available.
Ionicity (in Water): Not available.
Dispersion Properties: Not available.
Solubility: Water: 140 g/l at 20°C

Section 10: Stability and Reactivity Data

Stability: The product is stable under normal conditions.
Instability Temperature: Not available.
Conditions of Instability: Heat, open flames, all ignition sources, moisture [except for emergencies and clean up as described in the SDS], conditions that generate dust.
Incompatibility with various substances: Strong reducing agents, strong acids, organic materials, powdered metals.
Special Remarks on Reactivity: Not available.
Special Remarks on Corrosivity: Not available.
Polymerization: Not available.

Section 11: Toxicological Information

Routes of Entry: Eye contact. Inhalation. Ingestion.
Toxicity to Animals: (LD50): Not available. LC50: Not available.
Chronic Effects on Humans: Not available.
Other Toxic Effects on Humans: Slightly hazardous in case of ingestion, of inhalation. May cause harm to breastfed babies.
Special Remarks on Toxicity to Animals: Not available.
Special Remarks on Chronic Effects on Humans: Not available.
Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Not available.
BOD5 and COD: Not available.
Products of Biodegradation: When sodium percarbonate is dissolved in water, it dissociates to sodium carbonate and hydrogen peroxide. Sodium and carbonate cannot be biodegraded and standard ready tests are not applicable to inorganic substances like hydrogen peroxide
Toxicity of the Products of Biodegradation: The products of degradation are as toxic as the original product.
Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Information

Waste Disposal: Dispose of in accordance with local regulations

Section 14: Transport Information

DOT Classification: CLASS 5.1

Identification: Sodium Carbonate Peroxyhydrate, UN Number: UN3378 PG: II (1kg) PG:III (5kg)

Special Provisions for Transport: Not available.

Section 15: Regulatory Information

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

Section 16: Other Information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials. The author will not be held liable for any damage or injury caused by this product and does not obviate the requirement for end users to carry out their own workplace and specific use risk assessment.

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