



COLUMBUS CHEMICAL INDUSTRIES INC.

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Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910 1200. Standard must be consulted for specific requirements

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY (as Used on Label and List)

Sodium Peroxide

Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.

Section I

Manufacturers /Distributor Address Number Street City State and Zip Code

Columbus Chemical Industries, Inc.

N4335 Temkin Road

Columbus, Wisconsin 53925

Emergency Telephone Number

CHEMTREC: 1 (800) 424-9300

Telephone Number for Information

1 (920) 623-2140

Date Prepared

04-03-2006

Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identity Information

Table with 6 columns: Hazardous Components (Specific Chemical Identity, Common Name(s)), CAS #, OSHA PEL, ACGIH TLV, Other Limits Recommended, % (optional). Row 1: Sodium Peroxide\*, 1313-60-6, Not Available, Not Available, Not Available.

\* Synonym: Disodium Peroxide

Section III - Physical/Chemical Characteristics

Table with 4 columns: Property, Value, Property, Value. Rows: Boiling Point (657°C(1218°F)), Specific Gravity (H2O = 1) (Not available), Vapor Pressure (mm Hg) @ 20°C (<0.1 mmHg), Melting Point (460°C(860°F)), Vapor Density (AIR = 1) (Not available), Evaporation Rate (Butyl Acetate = 1) (Not available).

Solubility in Water

Reacts violently in water

Appearance and Odor

White to pale yellow granules

Section IV Fire and Explosion Hazard Data

Table with 4 columns: Flash Point (Method Used), Flammable Limits, LEL, UEL. Row 1: May be combustible at high temperatures., Not applicable, Not applicable.

Extinguishing Media

Dry chemical, DO NOT use carbon dioxide.

Special Fire Fighting Procedures

In the event of a fire, wear full protective clothing and NIOSH/MSHA-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode. Prevent contact with skin and eyes.

Unusual Fire and Explosion Hazards

May emit toxic fumes under fire conditions. Oxidizer. Organic Peroxide.

**Section V Reactivity Data**

Stability	Unstable		Conditions to Avoid	Heat, incompatibles, water
	Stable	X		

**Incompatibility Materials to Avoid**

Combustible materials, organic materials, acids, metals and alkalis, water

**Hazardous Decomposition or Byproducts**

Sodium oxides, oxygen

**Hazardous Polymerization****Conditions to Avoid**

	May Occur		None
	Will Not Occur	X	

**Section VI Health Hazard Data**

Routes of Entry	Inhalation ?	Skin ?	Ingestion ?
	Yes	Yes	Yes

**Health Hazards (Acute and Chronic)**

Skin: Corrosive. Eyes: severe corrosive, may cause permanent corneal damage. Inhalation: Breathing can cause irritation, edema, inflammation and ulceration. Ingestion: If swallowed, may cause irritation to mucous membranes and gastrointestinal tract. May result in impaired kidney and liver function.

Carcinogenicity	NTP	IARC Monographs	OSHA REGULATED?
	Not Listed	Not Listed	Not Listed

**Signs and Symptoms of Exposure.**

Burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea, vomiting, erythema, blisters, tissue destruction, bloody diarrhea, edema, convulsions, bronchitis, pneumonia, cardiovascular collapse, shock and death.

**Medical Conditions Generally Aggravated by Exposure**

Unknown

**Emergency and First Aid Procedures** EYES/SKIN: Flush immediately with plenty of water for at least 15 minutes. Remove contaminated clothing. Remove contact lenses if possible. Call physician if irritation develops. Wash clothing before reuse. INGESTION: DO NOT induce vomiting. Give several cups of water or milk to conscious victim. Call a  
INHALATION: Move to fresh air. Give oxygen if breathing is difficult, artificial respiration if not breathing.

**Section VII Precautions for Safe Handling and Use**

**Steps to be Taken in Case Material is Released or Spilled** Evacuate unprotected personnel from area. Ventilate spill area. Wear dust/mist respirator if necessary, rubber boots, heavy protective gloves and chemical safety goggles. Sweep up and place in non combustible container. Cover material with sand-soda mixture(90-10%), mix thoroughly to separate granules. Flush spill area with water.

**Waste Disposal Method** Dispose in accordance with all applicable Federal, state and local regulations.

**Precautions to be Taken in Handling and Storing** Keep container tightly closed. Store in corrosion-proof area. Do not get in eyes or on skin or clothing. Avoid breathing dust. Use only with adequate ventilation. Wash thoroughly after handling. Separate from combustible materials. Store in cool area below 40°C(104°F).

**Other Precautions** Do not get in eyes, on clothing. Do not breathe vapor. Use with adequate ventilation. Containers, even when empty, will retain residue. Always obey hazard warnings and handle empty containers as if they were full.

**Section VII Control Measures**

**Respiratory Protection (Specify Type)** NIOSH/MSHA approved dust/mist respirator if necessary

Ventilation	Local Exhaust	<u>Required</u>	Special	<u>Eye-wash station nearby.</u>
	Mechanical (General)	<u>Recommended.</u>	Other	<u>Safety shower nearby.</u>

**Protective Gloves** Appropriate Chemical Resistant gloves **Eye Protection** Safety goggles

**Other Protective Clothing or Equipment** Lab coat or apron and rubber boots. Face-shield recommended.

**Work /Hygienic Practices** Wash exposed areas thoroughly after handling. Wash contaminated clothing before reuse. Do NOT wear contact lenses. Wear appropriate personal protective equipment. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure.

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