

Safety Data Sheet

Part Number 326240

Section 1. Substance Identity and Company Contact Information

Product Name Sodium Persulfate-Reagent **Product Part Number(s)** 169236, 326227, 173518, and 326243

Trade Name Sodium Peroxodisulfate **Unit Size** 1 L, 1 gallon

Company OI Analytical, P.O. Box 9010, College Station, TX 77842-9010, Phone: (979) 690-1711, Fax: (979) 690-0440

Emergency No. 1-800-424-9300 (Chemtrec). Use only in the event of chemical emergencies involving spills, leaks, fire, exposure, or accidents involving chemicals.

Section 2. Hazards Identification

Pictogram(s)



Signal Word

Danger

Precautionary Statement(s)

May intensify fire; oxidizer, Harmful if swallowed. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation.

Target Organ(s)

Not data available

Potential Health Effects

Eye: May cause irritation.
 Skin: May cause irritation. May be harmful if absorbed through the skin.
 Ingestion: Harmful if swallowed.
 Inhalation: May be harmful if inhaled. Material may be irritating to mucus membrane and upper respiratory tract.

Chronic Effects/ Carcinogenicity

IARC: No data available
 NTP: No data available
 OSHA: No data available

Teratology (Birth Defects) Information

No data available

Reproductive Information

No data available

NFPA Ratings

Health: 0
 Flammability: 0
 Reactivity: 1
 Special Notice Key: Oxidizer

HMIS Rating

Health: 1
 Flammability: 0
 Reactivity: 1
 Protective Equipment: Wear appropriate eye protection, protective clothing, and gloves.

Section 3. Chemical Composition and Data on Components

Ingredient	CAS No.	Percent	Hazard Data	
			ACGIH TLV	OSHA PEL
Sodium Persulfate	7775-27-1	10-40	0.1 mg/m ³	No data available
Water, deionized	7732-18-5	60-90	No data available	No data available

Section 4. First Aid Measures

General Advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
If Inhaled	Remove to fresh air. If breathing becomes difficult, contact a physician.
In Case of Skin Contact	Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Launder before reuse.
In Case of Eye Contact	Immediately flush eyes with plenty of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.
If Swallowed	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Indication of Any Immediate Medical Attention and Special Treatment Needed	No data available.

Section 5. Fire-fighting Measures

General Information	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Emits toxic fumes under fire conditions. Contact with other material may cause fire. May accelerate combustion.
Suitable Extinguishing Media	Use water spray.
Special Hazards Arising from the Substance or mixture	No data available
Advice for Firefighters	Wear a self-contained breathing apparatus for fire fighting, if necessary.
Flash Point	No data available
Autoignition Temperature	No data available
Further Information	Use water spray to cool unopened containers.

Section 6. Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures	Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist, dust, or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.
Environmental Precautions	Do not let product enter drains.
Methods and Materials for Containment and Cleaning	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. Keep in suitable, closed containers for disposal.
Reference to Other Sections	For disposal, see Section 13.

Section 7. Handling and Storage

Precautions for Safe Handling	Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed. Keep away from sources of ignition and heat. No smoking.
Conditions for Safe Storage, Including any Incompatibilities	Keep container tightly closed in a dry and well-ventilated place. Storage class: Oxidizing hazardous materials
Specific End Use(s)	Apart from the uses mentioned in Section 1, no other specific uses are stipulated.

Section 8. Exposure Controls and Personal Protection

Components with Workplace Control Parameters	No information available.
Appropriate Engineering Controls	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the work day.
Eye/Face Protection	Face shield and safety glasses.
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.
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. If the respirator is the only means of protection, use a full-face supplied air respirator.
Control of Environmental Exposure	Do not let product enter drains.

Section 9. Physical and Chemical Properties

Appearance	Form: Liquid; Color: Clear
Odor	Odorless
Odor Threshold	No data available
pH	6-7
Melting Point/Freezing Point	Decomposes before melting
Initial Boiling Point and Boiling Range	100 °C
Flash Point	No data available
Evaporation Rate	No data available
Flammability (solid, gas)	This product is not flammable.
Upper/Lower Flammability or Explosive Limits	No data available
Vapor Pressure	No data available
Vapor Density	1
Relative Density	1.68 g/mL at 25 °C (77 °F)
Water Solubility	730 g/L at 25 °C (77 °F)
Partition Coefficient : n-octanol/water	No data available
Auto-ignition Temperature	> 600 °C
Decomposition Temperature	No data available
Viscosity	No data available
Explosive Properties	Not explosive

Oxidizing Properties	The substance or mixture is classified as oxidizing with the category 3.
Other Safety Information	No data available

Section 10. Stability and Reactivity

Reactivity	No data available
Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	No data available
Conditions to Avoid	Exposure to moisture
Incompatible Materials	Alcohols, strong reducing agents, strong bases, powdered metals, and organic materials

Section 11. Toxicological Information

Routes of Exposure	<i>On the skin:</i>	Irritation
	<i>On the eye:</i>	Irritation
	<i>Inhalation:</i>	Irritation
	<i>Ingestion:</i>	Irritation
Respiratory or Skin Sensitization	Some individuals may develop eczema or asthma if especially sensitive.	
Signs and Symptoms of Overexposure	Irritation of the skin or eye. Chronic exposure could result in dermatitis, eye damage, or sensitization.	
Toxicity Data	<i>Oral Rat</i>	No data available

Section 12. Ecological Information

General Notes	Toxic to fish, daphnia, other aquatic invertebrates, and algae.
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Section 13. Disposal Considerations

Product	Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.
Contaminated Packaging	Dispose of as unused product

Section 14. Transport Information

DOT Shipping Name	Oxidizing liquid, N.O.S. (Sodium Persulfate Solution)
UN Proper Shipping Name	Sodium Persulfate
DOT Hazard Class	5.1
Packing Group	III
UN Number	UN3139
Hazardous Ingredients	Sodium Persulfate
DOT Label	5.1 oxidizer
DOT Placard	5.1 oxidizer
IMDG Shipping Name	SODIUM PERSULPHATE
UN Number	UN3139
Class	5.1
Packing Group	III

IATA Shipping Name	Oxidizing liquid, N.O.S (Sodium Persulfate Solution)
Technical Shipping Name	Sodium Persulfate
IATA Hazard Class	5.1
Packing Group	III
UN Number	UN3139
Hazardous Ingredients	Sodium Persulfate
IATA Label	5.1 oxidizer
IATA Placard	5.1 oxidizer

Section 15. Regulatory Information

OSHA Status	No data available	
TSCA Status	No data available	
CERCLA Reportable Quantity	No data available	
SARA Title III	No products were found.	
RCRA Status	No data available	
California Proposition 65	No products were found.	
Chemical Weapons Convention	No	
TSCA 12 (b)	No data available	
SARA 311/312	Acute:	No data available
	Chronic:	No data available
	Fire:	No data available
	Pressure:	No data available
	Reactivity:	No data available
Australian Hazchem Code	No data available	
Poison Schedule	No data available	
WHMIS	C, D2A, D2B	

Section 16. Other Information

Date Prepared: April 14, 2004
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