

Section 1. Product and Company Identification

Product Name Sodium Persulfate
CAS Number 7775-27-1

Parchem - fine & specialty chemicals
415 Huguenot Street
New Rochelle, NY 10801
☎ (914) 654-6800 ☎ (914) 654-6899
🌐 parchem.com ✉ info@parchem.com

EMERGENCY RESPONSE NUMBER
CHEMTEL
Toll Free US & Canada: 1 (800) 255-3924
All other Origins: 1 (813) 248-0585
Collect Calls Accepted

Section 2. Hazards Identification

Classification of the substance or mixture

GHS classification

Physical hazards

Oxidizing solids: Category 3

Health hazards

Acute toxicity (oral): Category 4

Skin corrosion/irritation: Category 3

Eye damage/irritation: Category 2

Sensitization - respiratory: Category 1

Sensitization - skin: Category 1

Specific target organ systemic toxicity (single exposure): Category 3

Environmental hazards

N/A

GHS Label Elements

Pictograms:



Signal word: DANGER

Hazard and precautionary statements

Hazard statement

May intensify fire; oxidizer

Harmful if swallowed (oral)

Causes mild skin irritation



Causes eye irritation
May cause allergic or asthmatic symptoms or breathing difficulties if inhaled
May cause allergic skin reaction
May cause respiratory irritation or May cause drowsiness or dizziness

Precautionary statements

Prevention

Keep away from flame and heat.
Take any precaution to avoid mixing with combustibles/ ...
Do not handle until all safety precautions have been read and understood.
Contaminated work clothing should not be allowed out of the workplace.
Use only outdoors or in a well-ventilated area.
Use personal protective equipment as required.

Response

In case of fire, use appropriate media for extinction.
If swallowed: Immediately call a POISON CENTER or doctor/physician.
Do not induce vomiting.
If on skin: Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs, seek medical advice/attention.
If in eyes: Rinse cautiously with water several minutes. Get medical attention/advice.
If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

Storage

Store away from other materials.
Protect from sunlight and store container tightly closed in well-ventilated place.
Store locked up

Disposal

Dispose of contents/container in accordance with local/ regional/ national/ international regulation

Section 3. Composition / Information on Ingredients

Common Name Sodium Persulfate
Formula $\text{Na}_2\text{S}_2\text{O}_8$
CAS Number 7775-27-1

COMPONENT	CAS NUMBER	CONCENTRATION
Sodium Persulfate	7775-27-1	> 99%

Section 4. First Aid Measures

First Aid Measures

Skin contact: Wash skin immediately with water and soap. If irritation occurs, get medical attention.

Eye contact: Immediately flush with clean running water for at least 15 minutes and consult an ophthalmologist.



Inhalation: Remove patient to fresh air. Get medical attention.

Ingestion: Do not induce vomiting. See a physician. Never give anything by mouth to an unconscious person

Section 5. Firefighting Measures

Flammable Properties

Flash point and Method: Non-Combustible.

Flammable Limits (% by volume)

LFL: Not applicable

UFL: Not applicable

Auto-ignition Temperature: Non-Combustible

Extinguishing Media: Non-Combustible

Special Firefighting Procedures: Wear full protective clothing and self-contained breathing apparatus.

Firefighting Instructions: Use water spray to cool fire exposed surfaces. Evacuate personnel to a safe area.

Hazardous Decomposition Products: Oxygen gas and sulfuric acid mist.

To Firemen: Firemen should wear normal protective equipment.

Section 6. Accidental Release Measures

Accidental Release Measures

Large Spill: Clean up all spills immediately. Avoid inhalation of dust and contact with skin and eyes. Avoid generation of dust during clean up (use dustless methods such as vacuums.) Incinerate or place in a suitable container for disposal by a licensed contractor. (Follow all Federal, State and local regulations in your country.)

Small Spill: Sweep up or vacuum and place into sealable container for disposal with wearing protective equipment. (See section 8.)

Section 7. Handling and Storage

Handling and Storage

Handling: Avoid contact with skin and eyes. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling. Avoid prolonged or repeated breathing of dust. Avoid prolonged or repeated contact with skin.

Storage: Other reducing materials, combustibles. Heavy metals should not be stored nearby. Keep container close and store in a cool area.



Section 8. Exposure Controls / Personal Protection

Exposure Controls

Exposure Guidelines

OSHA Hazards	OSHA		ACGIH TLV			
	PEL		TWA		STEL	
Sodium persulfate	ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
	-	-	-	0.1	-	-

Engineering Controls: Use only with adequate ventilation. Local exhaust may be use necessary.

Personal Protective Equipment

Respiratory Protection: Wear suitable particle filter mask when exposed to dust.

Eye Protection: Safety glasses or splash goggles.

Skin Protection: Chemical resistant gloves.

Body Protection: Working clothes of the long sleeves.

Special Protection Information: No specific health hazards under normal conditions.

Section 9. Physical and Chemical Properties

Appearance: White powder

Odor: Odorless

BOILING POINT °F (°C): Not applicable

Melting Point / Freezing Point °F (°C): Not applicable

Vapor Pressure: Not applicable

Solubility in Water: 41% at 68°F (20°C)

Specific Gravity: Not applicable

pH: 5.0 - 6.2 at 86°F(30°C) : 6g/1 00ml

Viscosity: Not applicable

Vapor Density (air=1): Not applicable

Evaporation Rate (n-Butylacetate=1): Not applicable

Section 10. Stability and Reactivity

Chemical Stability: Stable under recommended conditions of storage and handling.
(Unstable in presence of heat and moisture.)

Substances To Avoid Contamination: Reducing agents, combustible organic substance and heavy metals salt kind.

Hazardous Reaction and Fire Danger: This substance is an oxidizing power and when heated, compressed or given a shock. The substance will cause a strong oxidizing action.

Products Causing Hazardous Decomposition: Oxygen and oxides of sulfur may be generated by decomposition



Section 11. Toxicological Information

Eye Effects: No data available, but may cause eye irritation.

Skin Effects: No data available, but may cause skin irritation.

Acute Oral Effects: No data available, but expected to be low toxic.

Acute Inhalation Effects: LC50: No data available, but may cause respiratory irritation.

Chronic Effects / Carcinogenicity: Not listed as a carcinogen by IARC, OSHA, NTP or the EPA.

Mutagenicity: This product is not known or reported to be mutagenic.

Others: None

Section 12. Ecological Information

Ecological Information: No data available

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

DOT

UN No.: 1505

Hazard Class: 5.1

Proper Shipping Name: Sodium persulfate

Packing Group: III

Marine Pollutant: Not applicable.

Section 15. Regulatory Information

U.S. Federal Regulation

TSCA Inventory: Registered

SARA TITLE III

Section 313 TOXIC Chemicals: Not applicable

International Information

CEPA: DSL: Registered



HMIS Rating

Health: 1

Flammability: 0

Reactivity: 1

Personal Protective Equipment: E

NFPA Rating

Health: 1

Flammability: 0

Reactivity: 1

Specific Hazard: OX

Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

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