

# SAFETY DATA SHEET

# CHEMICAL DISTRIBUTION SOLUTIONS

## SECTION 1 - COMPANY AND PRODUCT IDENTIFICATION

### PRODUCT

**Product Name:** SODIUM PERSULFATE

**Control Number:** 00050

**Product Description:** Sulfate Salt

### COMPANY IDENTIFICATION

**Supplier:** Chemical Distribution Solutions

1125 Oak St. Ste. 303

Conway, AR 72032

**24 Hour Emergency Telephone:** (800) 424-9300 CHEMTREC

**General Information:** (501) 978-1111

## SECTION 2- HAZARDS IDENTIFICATION

### GHS Classification:

#### [ Health ]

Acute toxicity, Oral Category 4

Skin irritation Category 2

Eye irritation Category 2A

Respiratory sensitization Category 1

Skin sensitization Category 1

#### [ Environmental ]

Acute Aquatic Toxicity Category 2

#### [ Physical ]

Oxidizing solids Category 3

### GHS Label elements, including precautionary statements

#### Pictograms



**Signal Word:** Danger

#### Hazard statement(s)

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

#### Precautionary statement(s)

P210 Keep away from heat.

P221 Take any precaution to avoid mixing with combustibles.

P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.

P264 Wash skin thoroughly after handling.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

## SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS Number	%WT
Sodium Persulfate	7775-27-1	100

## SECTION 4 · FIRST AID MEASURES

**FIRST AID PROCEDURES:**

**Eye Contact:** Flush eyes with a stream of water for at least 15 minutes, forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissues. Get medical attention if irritation persists.

**Skin Contact:** Wash contaminated areas with soap and water. Get medical attention if irritation persists.

**Inhalation:** Remove to fresh air. Give artificial respiration if not breathing. If breathing is difficult, oxygen should be administered. Get immediate medical attention.

**Ingestion:** If swallowed, DO NOT induce vomiting. Rinse mouth with water. Get immediate medical attention.

## SECTION 5 · FIRE FIGHTING MEASURES

**Suitable Extinguishing media:** Deluge with water. Use water spray, fog or foam. Do not use water jet.

**Hazardous combustion products:** Oxides of sulfur and sodium.

**Fire Fighting Procedures:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

**Unusual Fire and Explosion Hazards:** Material a crystalline powder and is not considered a fire or explosion hazard.

## SECTION 6 · ACCIDENTAL RELEASE and DISPOSAL MEASURES

Spilled material should be collected and put in approved DOT container and isolated for disposal. Isolated material should be monitored for signs of decomposition (fuming/smoking). If spilled material is wet, dissolve with large quantity of water and dispose as a hazardous waste.

## SECTION 7 · STORAGE AND HANDLING

**Handling:** Avoid formation of dust and aerosols. Further processing of solid materials may result in the formation of combustible dusts. Do not breathe dust. Keep container closed and tightly sealed when not in use. Use good hygiene practices.

**Storage:** Store in a cool, dry, ventilated area, away from incompatible substances. Store only in approved properly labeled containers.

## SECTION 8 · EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Engineering Controls:** Provide explosion-proof ventilation or other engineering controls to keep the airborne concentrations of vapor or mists below the applicable workplace exposure limits indicated below.

**Exposure Limits:** Sodium Persulfate 0.1 mg/m<sup>3</sup> ACGIH; No OSHA Data

**Personal Protective Equipment (PPE):**

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133.

**Skin:** If prolonged or repeated skin contact is likely, wear appropriate protective gloves.

**Clothing:** Selection of protective clothing depends on work conditions, potential exposure conditions and may include gloves, boots, suits and other protective items.

**Respirators:** Where adequate ventilation is not available an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of OSHA Respiratory Protection Standard, 29 CFR 1920.134. In confined areas, use a self-contained breathing apparatus.

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## SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES

**Flash Point:** Non-combustible solid  
**Autoignition Temperature:** >1000 °F  
**Boiling Point:** Not applicable  
**Melting Point/Freezing Point:** 356 °F  
**Vapor Pressure:** Not applicable  
**Vapor Density (Air-1):** Not applicable  
**Odor/Appearance:** White fine crystals with no odor.

**Flammability Limits:** Not applicable  
**Specific Gravity:** 2.40  
**Volatile %:** Not applicable  
**Evaporation Rate (Water=1):** Not applicable  
**pH:** 2.5-4.0  
**Solubility in Water:** Complete

## SECTION 10 - STABILITY AND REACTIVITY

**Chemical Stability:** Stable under normal use and temperature conditions.  
**Conditions to Avoid:** Exposure to moisture and or water.  
**Incompatible Materials:** Alcohol, Strong reducing agents, Strong bases, Powdered metals, Organic materials  
**Hazardous Polymerization:** Will not occur.

## SECTION 11 - TOXICOLOGICAL INFORMATION

**Signs and Symptoms of Overexposure:**  
**Skin:** Causes severe irritation or burns. Symptoms include redness, itching and pain. May cause allergic skin reaction.  
**Eyes:** Can cause severe irritation or burns with eye damage.  
**Inhalation:** Causes irritation to the respiratory tract. Symptoms may include sore throat, shortness of breath, inflammation of nasal passages, coughing, and wheezing. May cause lung edema, a medical emergency.  
**Ingestion:** Causes severe irritation and possible burns to the mouth and throat. Gastrointestinal disturbances may be expected with nausea, abdominal pain, and vomiting.

**Acute oral toxicity:**

Sodium Persulfate: LD50 rat: 930 mg/kg

**Acute inhalation toxicity:**

Sodium Persulfate: LC50 rat: No available data

**Acute dermal toxicity:**

Sodium Persulfate: LD50 rabbit: No available data

## SECTION 12 - ECOLOGICAL INFORMATION

**Aquatic Toxicity:** Toxicity to fish LC50 - Oncorhynchus mykiss (rainbow trout) - 163 mg/l - 96 h

**Bio-accumulative potential:** No available data

**Mobility:** No available data

## SECTION 13 - DISPOSAL CONSIDERATIONS

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

## SECTION 14 - TRANSPORTATION

### U.S. DEPARTMENT OF TRANSPORTATION (Road or Rail):

**Proper Shipping Name:** Sodium Persulfate  
**Hazard Class:** 5.1 (Oxidizer)  
**UN Number:** 1505  
**Packaging Group:** 3

## SECTION 15 - REGULATORY INFORMATION

### US FEDERAL REGULATIONS

#### Comprehensive Environmental Response and Liability Act (CERCLA)

**SARA 302:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. The reportable quantity (RQ) for this material is 1000 pounds. If appropriate, immediately report to the National Response Center (800/424-8802) as required by U.S. Federal Law. Also contact appropriate state and local regulatory agencies.

**Toxic Substance Control Act (TSCA):** All components of this product are listed on the TSCA inventory list.

#### SARA Section 311/312 (40 CFR 370) Hazard Categories:

Reactivity Hazard, Acute Health Hazard

#### SARA Section 313 (40 CFR 372) Hazard Categories:

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**Clean Water Act:** This product contains no chemicals that are listed under the CWA.

**Clean Air Act:** This product contains no chemicals that are listed under the CAA.

**California Prop 65:** This product contains no chemicals known by the State of California to cause cancer, birth defects or other reproductive harm.

## SECTION 16 - OTHER INFORMATION

**MSDS Revision Date:** September 2014

**National Fire Protection Association (NFPA) Ratings:** This information is intended solely for the use of individuals trained in the NFPA system.

**Health:** 2

**Flammability:** 0

**Reactivity:** 2

The data in this Safety Data Sheet relates to the specific material designated and does not relate to its use in combination with any other material or process. The data contained is believed to be correct. However, since conditions of use are outside our control it should not be taken as warranty or representation for which Chemical Distribution Solutions assumes legal responsibility. This information is provided solely for your consideration, investigation, and verification.