



American International Chemical, Inc.

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MATERIAL SAFETY DATA SHEET

SODIUM PERSULFATE

SECTION 1 - CHEMICAL PRODUCT AND COMPANY INFORMATION

American International Chemical, Inc. 135 Newbury Street Framingham, MA 01701	Emergency Number: Chemtrec Information Number:	800-424-9300 703-527-3887 800-238-0001
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Date: August 2007

Synonyms: Sodium Peroxydisulfate

CAS #: 7775-27-1

DOT Hazard Class: UN 1505, Class 5.1, PG III, Oxidizer

SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

Sodium Persulfate 99% min.

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Odorless white crystals that can cause irritation to eyes, skin and respiratory tract. This is an oxidizer and will release oxygen to support combustion.

POTENTIAL HEALTH EFFECTS:

Eyes and skin: Contact may cause irritation and possible burns.

Inhalation: Dust can cause irritation of upper respiratory tract and can be harmful to allergic persons.

Ingestion: May be harmful if swallowed.

CARCINOGENICITY: Not listed under OSHA, IARC, or NTP.

SECTION 4 - FIRST AID MEASURES

Eye Contact: In case of eye contact, immediately flush with plenty of water for at least 15 minutes.

Skin Contact: Remove contaminated clothing. Wash skin thoroughly with mild soap and water.

Inhalation: If overcome by exposure, remove to the fresh air immediately. Give oxygen or artificial respiration as needed.

Ingestion: Wash mouth out with water, then dilute by drinking several glasses of water.

In All Of The Above: Seek medical attention, if symptoms persist.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: Not Combustible

Flammable Limits: Not Applicable

Extinguishing Media: Deluge with water

Special Fire Fighting Procedures: Do not use carbon dioxide or other gas filled fire extinguishers. They will have no effect on decomposing persulfates. Wear full protective clothing and self-contained breathing apparatus.

Unusual Fire Explosion Hazard: Decomposes when heated with liberation of oxygen which may intensify fire. Presence of moisture accelerates decomposition.

Auto Ignition Temperature: Not Applicable

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Isolate hazard area and deny entry to unnecessary or unprotected personnel.

Contain spill, sweep up, collect and place in a clean disposal container. Keep away from other combustible products. Avoid runoff into storm sewers and ditches which lead to waterways.

SECTION 7 - HANDLING AND STORAGE

Avoid contact with skin, eyes and clothing. Avoid breathing dust. Use normal personal hygiene and housekeeping. Store in cool dry area away from other incompatible materials. Product is slightly hygroscopic and should be stored in a dry area to prevent moisture pick up and caking.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

RESPIRATORY PROTECTION: Use NIOSH/MSHA approved respirators.

VENTILATION REQUIREMENTS: Ventilate as necessary to eliminate dust from the work area.

SKIN AND EYE PROTECTION:

Use rubber or neoprene gloves, chemical goggles and clothing sufficient to protect skin from dust.

WORK, HYGIENIC PRACTICES:

As required to protect skin and eyes from dust, safety showers and/or eye wash should be available. Do not leave food or smoke in work area. Wash thoroughly and remove or clean any contaminated clothing.

EXPOSURE LIMITS: None Established

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: Not Applicable

Vapor Pressure (MM Hg): Not Applicable

Vapor Density (AIR=1): Not Applicable

Specific Gravity (H2O=1): 2.6

Bulk Density: Not Available

Percent Volatile by Volume (%): Not Applicable

Melting Point: Decomposes

Evaporation Rate (Butyl Acetate=1): Not Applicable

Solubility in Water: Appreciable~ 45°F @ 25°C

pH: 6-8 @ 1% solution

SECTION 10 - STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under normal temperatures and pressures.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: Sulfuric acid mist, oxygen which supports combustion and oxides of sulfur and nitrogen.

KEEP AWAY FROM: Avoid heavy metals, reducing agents and moisture. Incompatible with acids, alkalis, halides, combustible materials, heavy metals and oxidizing material.

SECTION 11 - TOXICOLOGICAL INFORMATION

Allergic persons may develop dermatitis and asthma.

SECTION 12 - ECOLOGICAL INFORMATION

Not available

SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose of in accordance with all federal, state and local regulations.

RCRA WASTE #: Not Listed

SECTION 14 - TRANSPORTATION INFORMATION

D.O.T. SHIPPING NAME: Sodium Persulfate
UN 1505
Class 5.1
PG III
Oxidizer

SECTION 15 - REGULATORY INFORMATION

TSCA (TOXIC SUBSTANCE CONTROL ACT):

This product is listed on the TSCA Inventory.

SARA TITLE III INFORMATION:

Section 302 Extremely hazardous Substance: Unlisted

Section 313 Toxic Chemicals: Unlisted

Section 311/312 Hazard Category:
Fire Hazard, Immediate (acute) Health Hazard.

SECTION 16 - OTHER INFORMATION

NFPA: Health 1
Fire 0
Reactivity 1

Reason for Issue: Changed Date

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