



American International Chemical, Inc.

Corporate Offices: (800) 238-0001

Internet: www.aicma.com Email: info@aicma.com

MATERIAL SAFETY DATA SHEET

AMMONIUM 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
---	---	--

Date: August 2007

Synonyms: Ammonium Peroxydisulfate

CAS #: 7727-54-0

DOT Hazard Class: UN 1444, Class 5.1, PG III, Oxidizer

SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

Ammonium Persulfate 99%

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: White odorless crystals. Irritant to eyes, skin and respiratory system. It is an oxidizer and will liberate oxygen to support and intensify fire. Keep away from reducing agents.

POTENTIAL HEALTH EFFECTS:

Inhalation: May cause irritation or slight burning sensation to the respiratory tract.

Skin & Eyes: May cause irritation and redness.

Ingestion: Will cause discomfort.

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

SECTION 4 - FIRST AID MEASURES

EYES: Immediately flush with water for at least 15 minutes lifting upper and lower lids intermittently. See a physician.

SKIN: Wash with large amounts of water, if irritation persists, obtain medical attention.

INHALATION: Remove subject to fresh air. If breathing difficulty occurs, call a physician.

INGESTION: If swallowed, drink 1 or 2 glasses of water and induce vomiting by touching the back of the throat with a finger or giving syrup of ipecac. **Do not induce vomiting or give anything by mouth to an unconscious person.** Call a physician.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: Non combustible

Flammable Limits: Non-combustible

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. In the presence of moisture, it also accelerates decomposition.

Auto Ignition Temperature: Non combustible

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 disposal container. 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, radiant heaters and steam pipes. 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: If dusty, 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 GUIDELINES: 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): 1.98

Bulk Density: Not Available

Percent Volatile by Volume (%): Not Applicable

Melting Point: Decomposes

Evaporation Rate (Butyl Acetate=1): Not Applicable

Solubility in Water: Complete

pH: 1% solution 4-6

SECTION 10 - STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under normal temperatures and pressures.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: Fumes of Sulfuric Acid, oxygen (which supports combustion) oxides of sulfur and nitrogen.

KEEP AWAY FROM: Heat, moisture and reducing agents.

SECTION 11 - TOXICOLOGICAL INFORMATION

Not Available

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:.....Ammonium Persulfate

PRODUCT RQ (lbs.).....None Listed

D.O.T. LABEL.....UN 1444, 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: Immediate (acute) Health Hazard

SECTION 16 - OTHER INFORMATION

NFPA HAZARD INFORMATION

Health	1	Degree of Hazard	
Flammability	0	No Hazard	0
Reactivity	1	Severe	4
Special Hazard	0		

Reason for Issue: Changed Date

This information is given without any warranty or representation. It is believed to be correct but does not claim to be all inclusive and shall be used only as a guide. American International Chemical, Inc., shall not be held liable for any damage resulting from handling or contact with the above product. It is offered solely for your consideration, investigation and verification.
