



American International Chemical, Inc.

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MATERIAL SAFETY DATA SHEET

SODIUM NITRATE

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: Saltpeter, soda niter, nitric acid, sodium salt

CAS #: 7631-99-4

DOT Hazard Class: UN 1498, Class 5.1, PG III, Oxidizer

SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

Sodium Nitrate - 99.5% min.

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Odorless white granules or pellets that may cause irritation. Harmful if ingested or inhaled. Product is a strong oxidizer and contact with combustible or flammable materials can cause a fire or explosion.

POTENTIAL HEALTH EFFECTS:

Eyes & Skin: May cause irritation. Prolonged use may cause dermatitis to the skin.

Inhalation: May cause irritation to the upper respiratory tract leading to dizziness, weakness, nausea, headaches and rapid breathing.

Ingestion: May cause gastrointestinal irritation.

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

SECTION 4 - FIRST AID MEASURES

Eyes: Immediately flush with water for at least 15 minutes.

Skin: Wash off with soap and water

Inhalation: Remove to the fresh air. If having difficulty breathing, give oxygen. If not breathing, give artificial respiration.

Ingestion: Dilute with several glasses of water. Induce vomiting, if possible

In All Of The Above: Consult a physician if symptoms persist.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: Not Flammable

Flammable Limits: Not Applicable

Extinguishing Media: Dry chemical, carbon dioxide, water spray, foam or fog.

Special Fire Fighting Procedures: Remove containers from fire if possible without risk. Cool containers exposed to flames with water. Use NIOSH/MSHA approved self-contained breathing apparatus where this material is involved in a fire.

Unusual Fire Explosion Hazard: Strong oxidizer. Contact with combustible materials, flammable materials, or powdered metals can cause fire or explosion. Can react violently with shock, friction or heat.

Auto Ignition Temperature: Not Applicable

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Isolate hazard area and deny entry to unnecessary or unprotected personnel. Keep combustibles away from area. Contain spill, sweep up, collect and place in a disposal container. Flush spill area with water. 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: Decomposes at 380°C

Vapor Pressure (MM Hg): Not Applicable

Vapor Density (AIR=1): Not Applicable

Specific Gravity (H2O=1): 2.26

Bulk Density: Not Available

Percent Volatile by Volume (%): Not Applicable

Melting Point: 306°C or 582°F

Evaporation Rate (Butyl Acetate=1): Not Applicable

Solubility in Water: Appreciable

pH: Not Applicable

SECTION 10 - STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under normal temperatures and pressures.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of Nitrogen

KEEP AWAY FROM: Reducing agents, flammable and combustible materials, cyanides and aluminum.

SECTION 11 - TOXICOLOGICAL INFORMATION

ORAL RAT LD₅₀ 1267 mg/kg

ORAL RABBIT LD₅₀ 2680 mg/kg

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 Nitrate
TECHNICAL SHIPPING NAME:.....Sodium Nitrate
D.O.T. HAZARD CLASS.....UN 1498, Class 5.1, PG III, Oxidizer
PRODUCT RQ (lbs.).....None

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: Listed

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

SECTION 16 - OTHER INFORMATION

Reason for Issue: Changed Date

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