Section I. Chemical Product and Company Identification
Supplier: Harcos Chemicals, Inc.
5200 Speaker Road
Kansas City, KS 66106-1995
Suppliers Telephone Number: 913-321-3131
Transportation Emergency Telephone Number: 1-800-424-5300
Syonyms: Chile Salt; Sodium Nitr, Nitric Acid; Sodium Salt
CAS Number: 7697-13-0
Chemical Formula: NaNO3

Section II. Composition and Information on Ingredients
Material | CAS# | % | OSHA | ACGIH
--- | --- | --- | --- | ---
Sodium Nitrate | 7697-13-0 | 100% | Not Established | Not Established

Since no Exposure limits have been established for Sodium Nitrate by OSHA & ACGIH, we recommend that our product should be handled as a nuisance dust 15 mg/m3.

Section III. Hazards Identification:
Accurate Health Effects: Instilling to the skin and eyes on contact. Inhalation will cause irritation to the lungs and mucous membrane. Irritation to the eyes will cause wateriness and redness. Reddening, stinging and itching are characteristics of skin inflammation. Follow safe industrial hygiene practices and always wear protective equipment when handling this compound.
Chronic Health Effects: This product has no known chronic effects. Repeated or prolonged exposure to this compound is not known to aggravate medical conditions.
Accurate Health Effects: This profile is not listed by NTP, IARC or regulated as a Carcinogen by OSHA.

Section IV. First Aid Measures
First Aid For Eye: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.
First Aid For Skin: In case of contact, flush skin with water. Wash clothing before reuse. Call a physician if irritation occurs.
First Aid For Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.
First Aid For Ingestion: If swallowed, call a physician immediately.

Section V. Fire and Explosion Data
Flammability: Non-Flammable
Flash Points: Not Applicable
Auto-Ignition: Not Applicable
Flammable Limits: Not Applicable
Extinguishing Media: Dry Chemical, Carbon Dioxide, Halon and Water Spray
Fire Fighting Precautions: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Strong Oxidizer.

Fire and Explosion Hazards: Contact with other material may cause fire. Emits toxic fumes under fire conditions. Mixtures of nitrates and organic materials can be explosive under fire conditions.

Section VI. Accidental Release Measures
Section VII. Handling and Storage

Storage Temperatures: Store at ambient temperature

Shelf Life: Unlimted in tightly closed container.

Special Sensitivity: None

Handling/Storage Precautions: Avoid breathing dust. Avoid getting in eyes or on skin. Wash thoroughly after handling. Store in a dry place away from direct sunlight, heat and incompatible materials (see Section X). Reseal containers immediately after use. Store away from food and beverages.

Section VIII. Exposure Controls/Personal Protection

Eye Protection: Safety glasses or goggles.

Skin Protection: PVC gloves with impervious boots. apron or coveralls. Employees should wash their hands and face before eating, drinking or using tobacco products.

Respirator: Work ambient concentrations should be monitored and if the recommended exposure limit is exceeded, a NIOSH/MSHA approved dust respirator must be worn.

Ventilation: Use local ventilation if dusting is a problem. To maintain air levels below the recommended exposure limit.

Additional Protective Measures: Emergency showers and eye wash stations should be available. Educate and train employees in the safe use and handling of hazardous chemicals.

Section IX. Physical and Chemical Properties

Physical Form: Pilled or Powdered

Color: White

Odor: Odorless

Molecular Weight: 84.99

Boiling Point: Decomposes above 380°C

Melting Point: 398.8°C

Solubility in Water: 62.1 g in 10 ml water at 25°C

Specific Gravity: 2.26

Section X. Stability And Reactivity

Stability: Stable

HAZARDS CLASSIFICATION: Will Not occur

Incompatibilities: Strong reducing agents, finely powdered metals, strong acids. Protect from moisture.

Initial Conditions: Excessive temperatures (see Incompatibilities).

Decomposition Temperature: Decomposes above 380°C

Decomposition products: Oxides of Sodium and Nitrogen

Section XI. Toxicological Information

IARC: Not listed

ACGIH: Not listed

OSHA: Not listed

Section XII. Ecological Information

Toxicity: Not available at this time.

Section XIII. Disposal Considerations

Disposal Method: Treatment is best accomplished by incinerating in a coveredTag#1: disposal unit. Where incineration is impractical, exhaust ventilation is recommended. Disposal must be in accordance with federal, state, and local regulations.
Section XIV. Transportation Information

Proper Shipping Name: Sodium Nitrate
UN Number: 1498
Class: 5.1
PG: III
Label Code: 5.1

Section XV. Regulatory Information

OSHA Status: This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.
TSCA Chemical Inventory: This compound is on the EPA Toxic Substance Control Act (TSCA) inventory List.
California Proposition 65: To the best of our knowledge, this product contains no levels of listed substances, which the state of California has found to cause cancer, birth defects or other reproductive effects.
SARA 311/312: None
Section 302 Extremely Hazardous Substances: None
Section 311/312 Hazardous Chemicals: None
Section 313 Toxic Chemicals: None

Section XVI. Other Information

The information provided in this Material Safety Data Sheet has been obtained from sources believed to be reliable. Harcos Chemicals, Inc. provides no warranties, either expressed or implied and assumes no responsibility for the accuracy or completeness of the data contained herein. This information is provided for your information, consideration and investigation. You should satisfy yourself that you have all current data relevant to your particular use. Harcos Chemicals, Inc. knows of no medical condition other than those noted on this Material Safety Data Sheet, which are generally recognized as being aggravated by exposure to this product.