

**THATCHER COMPANY MATERIAL SAFETY DATA SHEET****PRODUCT: SODIUM NITRATE SOLUTION, 45%****Page 1 of 3**

MSDS Date: June 20, 2001

Emergency Contact: 1-800-424-9300

SECTION I**PRODUCT NAME:** Sodium Nitrate Solution, 45%**CHEMICAL NAME:** Sodium Nitrate Solution**CHEMICAL FAMILY:** Inorganic salt aqueous solution**DOT SHIPPING INFORMATION:** none**SECTION II - HAZARDOUS INGREDIENTS**

This material contains no ingredients which are known by Thatcher Company to be hazardous unless listed below.

HAZARDOUS MATERIAL	CAS NUMBER	w/w %	EXPOSURE LIMITS IN AIR
Sodium nitrate	7631-99-4	45%	none established

The specific identity of some ingredients may be withheld for confidential business purposes. However, all known potential health effects from exposure to these ingredients are being addressed.

This product is subject to SARA section 313 reporting requirements

SECTION III - PHYSICAL DATA**BOILING POINT (F):** Loses water at 212°F**SPECIFIC GRAVITY:** about 1.35**VAPOR PRESSURE (mm Hg):** Essentially water**% VOLATILE, BY VOLUME:** About 55%**VAPOR DENSITY (air = 1):** Essentially water**EVAPORATION RATE:** Essentially water**SOLUBILITY IN WATER:** Complete**APPEARANCE AND ODOR:** light yellow to brown liquid with no odor.**SECTION IV - FIRE AND EXPLOSION DATA****FLASH POINT:** Nonflammable**FLAMMABLE LIMITS:** Lel: N/A Uel: N/A**EXTINGUISHING MEDIA:**

Use any.

SPECIAL FIRE-FIGHTING PROCEDURES:

Cool outside of containers with water.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Drums may burst if exposed to high temperatures. A self-contained breathing apparatus should always be available.



SECTION V - REACTIVITY DATA

STABILITY:

Stable

HAZARDOUS POLYMERIZATION:

Will not occur

CONDITIONS OR MATERIALS TO AVOID:

Avoid extreme heat. Do not store near sodium hypochlorite solutions.

HAZARDOUS DECOMPOSITION PRODUCTS:

Excessive heat can release free iodine.

SECTION VI - HEALTH HAZARD DATA

Carcinogenic Listing:

NTP: No ingredients listed in this section.

IARC MONOGRAPHS: No ingredients listed in this section.

OSHA 29 CFR 1910: No ingredients listed in this section.

ENTRY ROUTES & EFFECTS OF OVEREXPOSURE:

Contact: Irritating to eyes, respiratory system and skin.

STATEMENT OF PRACTICAL TREATMENT:

Contact: Flush with cool water for at least 15 minutes. Get medical attention.

SECTION VII - SPECIAL PRECAUTIONS

HANDLING AND STORAGE PRECAUTIONS:

Store in a cool, dry area. Keep tightly closed.

STEPS TO BE TAKEN IF MATERIAL SPILLS OR LEAKS:

Avoid areas where extremely high temperatures may occur. Wash thoroughly after handling.

WASTE DISPOSAL METHOD:

Wear proper safety equipment. Evacuate and ventilate the area. Contain the liquid if possible. Pump or scoop into drums, flush residue to drain with large amounts of water if permitted by local, state or federal regulations. If liquid cannot be contained, absorb with diatomeaceous earth and shovel into drums.

OTHER PRECAUTIONS:

Avoid areas where extremely high temperatures may occur. Wash thoroughly after handling.



SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

MSA or NIOSH-approved respirator

VENTILATION:

Local exhaust recommended.

EYE PROTECTION:

Chemical type safety glasses.

SKIN PROTECTION:

Rubber gloves.

OTHER PROTECTIVE EQUIPMENT:

As needed to prevent contact with eyes.

ACGIH = American Conference of Governmental Industrial Hygienists

CL = Ceiling Level

IARC = International Agency for Research on Cancer: Monographs

OSHA = Occupational Safety and Health Administration

N/A = Not Applicable

NTP = National Toxicology Program: Annual Report on Carcinogens

PEL = Permissible Exposure Level (OSHA)

TLV = Threshold Limit Value (ACGIH)

TWA = Time Weighted Average over 8 Hours

STEL = Short Term Exposure Limit (ACGIH)

ND = Not Determined

This information is, to the best of our knowledge, accurate but may not be complete. THATCHER COMPANY furnishes this information in good faith, but without warranty, representation or guarantee of its accuracy, completeness, or reliability.