



THATCHER COMPANY MATERIAL SAFETY DATA SHEET
PRODUCT: SODIUM NITRITE, 40%
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MSDS Date: November 15, 2001
Emergency Contact: 1-800-424-9300

SECTION I

PRODUCT NAME: Sodium Nitrite, 40%

CHEMICAL NAME: Sodium Nitrite aqueous solution

DOT SHIPPING INFORMATION: (no RQ required if package size is less than 250 lb)
RQ, Other regulated substance, Liquid, n.o.s. (Sodium Nitrite), 9, NA 3082, PG III

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 NITRITE	7632-00-0	40	TLV 2 mg/m ³

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.

SECTION III - PHYSICAL DATA

BOILING POINT (F): >100°C

SPECIFIC GRAVITY: 1.3

VAPOR PRESSURE (mm Hg): NA

% VOLATILE, BY VOLUME: 60

VAPOR DENSITY (air = 1): NA

EVAPORATION RATE: NA

SOLUBILITY IN WATER: Fully Miscible

APPEARANCE AND ODOR: Light yellow liquid with faint odor

SECTION IV - FIRE AND EXPLOSION DATA

FLASH POINT: Non-Flammable

FLAMMABLE LIMITS: Lel: NA Uel: NA

EXTINGUISHING MEDIA: Water, CO₂, Foam or Dry Chemical

SPECIAL FIRE-FIGHTING PROCEDURES:

Strong Oxidizer -- Spray with water when fire is in early stages. Wear Self-Contained-Breathing-Apparatus (SCBA).

UNUSUAL FIRE AND EXPLOSION HAZARDS:



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Solid Sodium Nitrite may explode when heated above 538EC.

SECTION V - REACTIVITY DATA

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS OR MATERIALS TO AVOID:

Readily Oxidizable Materials, Strong Oxidizers, Reducing Agents, Organic Material, Cyanides

HAZARDOUS DECOMPOSITION PRODUCTS: Nitrogen Oxides

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: Mild Irritation to skin, sever irritation to eyes with permanent damage on extended contact.

Inhalation: Irritation to mucous membranes & respiratory tract

Ingestion: Ingestion causes nausea and mild damage to mucous membranes.

STATEMENT OF PRACTICAL TREATMENT:

Contact: SKIN: Wash effected area thoroughly with soap and water. EYES: Flush for at least 15 minutes with cool water. If irritation persists, get medical attention.

Inhalation: Remove to fresh air.

Ingestion: If conscious, give several glasses of water, and induce vomiting. Call a physician immediately.



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SECTION VII - SPECIAL PRECAUTIONS

HANDLING AND STORAGE PRECAUTIONS:

Avoid contact with skin and eyes. Keep containers closed when not in use. Avoid any contact with paper, wood or other organic materials.

STEPS TO BE TAKEN IF MATERIAL SPILLS OR LEAKS:

Dike spill with appropriate non-organic absorbent material. Pump liquid and shovel contaminated solid to steel drums. Wash residue with large quantities of water. Reportable quantity is 250 lb (100 lb dry sodium nitrite).

WASTE DISPOSAL METHOD:

Send to RCRA approved facility. Do not discharge to sewer or waterway.

OTHER PRECAUTIONS:

Transportation, storage and disposal of waste must be by EPA-permitted facilities. Comply with all local, state and federal regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: If area is not well ventilated, respirator may be required.

VENTILATION: Local Exhaust

EYE PROTECTION: Goggles.

SKIN PROTECTION: Rubber gloves

OTHER PROTECTIVE EQUIPMENT: As require to avoid eye and skin contact.

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.