



#### IV. Fire and Explosion Hazard Data

**Flash Point (Test Method):** N/A  
**Flammable Limits in Air (% by volume):** Lower = ND Upper = ND  
**Extinguishing Media:** Suitable for surrounding fire.  
**Special Firefighting Procedures:** Wear self-contained breathing apparatus. Contact with strong acids or thermal decomposition may produce toxic fumes.  
**Unusual Fire and Explosion Hazards:** None

#### V. Reactivity Data

**Stability:** Stable under normal storage conditions.  
**Incompatibility (materials to avoid):** Reducing agents, oxidizable substances, ammonium salts, amines, amine compounds, acids.  
**Hazardous Polymerization:** Reacts with amine-containing products. Reacts with acids. Reacts with reducing agents. Reacts with oxidizing agents.  
**Hazardous Combustion or Decomposition Products:** Oxides of nitrogen, disodium oxide.

#### VI. Health Hazard Data

**Ingredients Listed as Carcinogenic in NTP, IARC or OSHA (specify):** None

##### Acute Effects of Overexposure

**Eye Contact:** Causes eye irritation.  
**Skin Contact:** May be irritating to the skin.  
**Inhalation:** May be irritating to the respiratory tract.  
**Ingestion:** May be harmful if swallowed.  
**Principal Routes of Absorption:** Skin contact, eye contact, ingestion, inhalation.

##### Emergency and First Aid Procedures

**Eyes:** Flush at once with plenty of cool water for 15 minutes. Contact a physician if irritation develops.  
**Skin:** Flush affected area with plenty of water. If irritation develops, consult a physician.  
**Inhalation:** Remove victim to fresh air. If symptoms persist, consult a physician.  
**Ingestion:** Seek medical attention immediately. Give large quantities of water to dilute. Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person.

#### VII. Spill or Leak Procedures

**Steps to be taken if Material is Released or Spilled:** Evacuate area. Wear appropriate personal protective equipment. Return dry material to original container or appropriate waste container. Flush spill area with plenty of water. Prevent runoff from entering drains, sewers and streams.  
**Waste Disposal Method:** In accordance with federal, state and local guidelines.

#### VIII. Special Protection Information

**Ventilation Requirements:** Local exhaust sufficient to maintain below TLV.

## Recommended Personal Protective Equipment

- Respiratory:** A respiratory protection program that meets OSHA's 29CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. Use air purifying respirators within use limitations associated with the equipment or else use supplied air-respirators. If air-purifying respirator use is appropriate, use a respirator with dust/mist filters.
- Eyes:** Chemical splash goggles.
- Gloves:** Impervious.
- Other Clothing and Equipment:** Other protective clothing depending on degree of exposure.

### IX. Handling and Storage

- Handling:** Avoid all contact with reducing agents, oils, greases, organics and acids.
- Storage:** Keep containers closed when not in use. Keep dry. Store away from acids. Protect against heat.

### X. Toxicological Information

- Oral LD50:** ~ 840 mg/kg (estimated value)
- Dermal LD50:** > 2,000 mg/kg (estimated value)

### XI. Regulatory Information

**TSCA:** All components of this product are listed in the TSCA inventory.

**CERLA and/or SARA REPORTABLE QUANTITY (RQ):** 116 pounds due to Sodium Nitrite.

**SARA SECTION 312 HAZARD CLASS:** Immediate (acute); Delayed (chronic); Fire.

**SARA SECTION 302 CHEMICALS:** No regulated constituent present at OSHA thresholds.

**SARA SECTION 313 CHEMICALS:**

<u>CAS #</u>	<u>CHEMICAL NAME</u>	<u>RANGE</u>
7632-00-0	Sodium Nitrite	41.0 - 50.0%
7631-99-4	Sodium Nitrate	11.0 - 15.0%

**CALIFORNIA REGULATORY INFORMATION:**

**CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65) CHEMICALS PRESENT:** No regulated constituent present at OSHA thresholds.

### XII. NFPA / HMIS

Health	2	Slight Hazard
Fire	0	Slight Hazard
Reactivity	0	Minimal Hazard
Special	None	No Special Hazard
Protective Equipment <sup>(1)</sup>	C	Goggles, Gloves

<sup>(1)</sup> refer to section VIII of MSDS for additional protective equipment recommendations.

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