

MSDS

NITROGEN STANDARDS (As Nitrite), NITRITE STANDARDS (made with Sodium Nitrite), SODIUM NITRITE STANDARDS

Material Safety Data Sheet

Section 1: Chemical Product and Company Identification

Catalog Number: 5444, 5444.2, 5444.5, 5445, 5460, N065010, N065050, N065060, N065280, R7497500, R7497600, SN065010, SN065020, SN065045, SN065050, SN065060, SN065280	
Product Identity: NITROGEN STANDARDS (As Nitrite), NITRITE STANDARDS (made with Sodium Nitrite), SODIUM NITRITE STANDARDS	
Manufacturer's Name: RICCA CHEMICAL COMPANY LLC	Emergency Contact(24 hr) -- CHEMTREC® Domestic: 800-424-9300 International: 703-527-3887
CAGE Code: 0V553	
Address: 448 West Fork Dr Arlington, TX 76012	Telephone Number For Information: 817-461-5601
Date Prepared: 1/3/00	Revision: 8 Last Revised: 12/01/2005 Date Printed: 08/31/2006 1:26:58 pm

Section 2. Composition/Information on Ingredients

Component	CAS Registry #	Concentration	ACGIH TLV	OSHA PEL
Chloroform (Trichloromethane)	67-66-3	<0.1	10 ppm	C 50 ppm
			49 mg/m3	C 240 mg/m3
Sodium Nitrite	7632-00-0	<1	Not Available	Not Available
			Not Available	Not Available
Water, Deionized	7732-18-5	Balance	Not Available	Not Available
			Not Available	Not Available

Section 3: Hazard Identification

Emergency Overview: Non-flammable, non-toxic, non-corrosive. May cause irritation to the skin and eyes. Wash areas of contact with soap and water. Contains a minute amount of chloroform as a preservative. Chloroform is a possible carcinogen.

Target Organs: eyes, skin.

Eye Contact: May cause irritation, redness, pain, and tearing.

Inhalation: Not likely to be hazardous by inhalation.

Skin Contact: May cause slight irritation.

Ingestion: Large doses may cause irritation to the mouth, esophagus and stomach.

Chronic Effects/Carcinogenicity: None

IARC - Chloroform (Trichloromethane) is possibly carcinogenic to humans.

NTP - Chloroform (Trichloromethane) - - Substances or groups of substances, and medical treatments which may reasonably be anticipated to be carcinogens.

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OSHA - No.

Reproductive Information: Reproductive effects cited in 'Registry of Toxic Effects of Chemical Substances' for Chloroform (Trichloromethane).
Reproductive effects cited in 'Registry of Toxic Effects of Chemical Substances' for Sodium Nitrite.
Teratology (Birth Defect) Information: Mutation data cited in 'Registry of Toxic Effects of Chemical Substances' for Chloroform (Trichloromethane).
Mutation data cited in 'Registry of Toxic Effects of Chemical Substances' for Sodium Nitrite.

Section 4: First Aid Measures - In all cases, seek qualified evaluation.

Eye Contact: Irrigate immediately with large quantity of water for at least 15 minutes. Call a physician if irritation develops.
Inhalation: Remove to fresh air. Give artificial respiration if necessary. If breathing is difficult, give oxygen.
Skin Contact: Flush with plenty of water for at least 15 minutes. Call a physician if irritation develops.
Ingestion: Dilute with water or milk. Call a physician if necessary.

Section 5: Fire Fighting Measures

Flash Point: Not Available. **Method Used:** Not Available.
LFL: Not Available. **UFL:** Not Available.
Extinguishing Media: Use any means suitable for extinguishing surrounding fire.
Fire & Explosion Hazards: Not considered to be a fire or explosion hazard.
Fire Fighting Instructions: Use normal procedures/instructions.
Fire Fighting Equipment: Use protective clothing and breathing equipment appropriate for the surrounding fire.

Section 6: Accidental Release Measures

Absorb with suitable material and dispose of in accordance with local regulations.

Section 7. Handling and Storage

As with all chemicals, wash hands thoroughly after handling. Avoid contact with eyes and skin. Protect from freezing and physical damage.

Safety Storage Code: General

Section 8: Exposure Control/Personal Protection

Engineering Controls: No specific controls are needed. Normal room ventilation is adequate.
Respiratory Protection: Normal room ventilation is adequate.
Skin Protection: Chemical resistant gloves.
Eye Protection: Safety glasses or goggles.

Section 9: Physical and Chemical Properties

Appearance: Clear, colorless liquid **pH:** approximately 9
Odor: Odorless **Boiling Point(°C):** Approximately 100
Solubility in Water: Infinite **Melting Point(°C):** Approximately 0
Specific Gravity: Approximately 1 **Vapor Pressure:** Not Applicable.

Section 10: Stability and Reactivity

Chemical Stability: Stable under normal conditions of use and storage.
Incompatibility: Cyanides, Ammonium salts, Lithium, Potassium plus Ammonia, Sodium Thiosulfate.
Hazardous Decomposition Products: Oxides of Nitrogen and Sodium.
Hazardous Polymerization: Will not occur.

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Section 11. Toxicological Information

LD50, Oral, Rat: 180 mg/kg (Sodium Nitrite), details of toxic effects not reported other than lethal dose value.

Section 12. Ecological Information**Ecotoxicological Information:** No information found.**Chemical Fate Information:** No information found.**Section 13. Disposal Considerations**

Dilute with water, then flush to sewer if local regulations allow. If not allowed, save for recovery or recycling in an approved waste disposal facility. Always dispose of in accordance with local, state and federal regulations.

Section 14. Transport Information

Part Numbers:

This product is not regulated.

Section 15. Regulatory Information (Not meant to be all inclusive - selected regulation represented)**OSHA Status:**The above items either do not contain any specifically hazardous material or the potentially hazardous material is present in such low concentration that the items do not present any immediate threat to health and safety. These items do not meet the OSHA Hazard Communication Standard (29 CFR 1910.1200) definition of a hazardous material.**TSCA Status:**All components of this solution are listed on the TSCA Inventory or are mixtures (hydrates) of items listed on the TSCA Inventory.

Sara Title III:

Section 302 Extremely Hazardous Substances:Not Applicable.**Section 311/312 Hazardous Categories:**No**Section 313 Toxic Chemicals:**Not Applicable.**California:** Contains an ingredient (Chloroform (Trichloromethane)) known to the state of California to cause cancer.**Pennsylvania:** Chloroform (Trichloromethane) is listed as both Special and Environmental Hazards on the state's Hazardous Substances List. Sodium Nitrite is listed as an Environmental Hazard on the state's Hazardous Substances List.**RCRA Status:** D022,U044**CERCLA Reportable Quantity:** Chloroform (Trichloromethane) - 10 pounds. Sodium Nitrite - 100 pounds.**WHMIS:** Not Applicable.**Section 16. Other Information**

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NFPA Ratings:

Health: 1 Flammability: 0 Reactivity: 0 Special Notice Key:None

HMIS Ratings:

Health: 1 Flammability: 0 Reactivity: 0 Protective Equipment:B (Protective Eyewear, Gloves)

Rev 1, 10-09-2001: Reformatted to electronic data format.
Rev 2, 11-13-2002: (Section 1) added Solutions Plus catalog number N065010.
Rev 3, 03-05-2003: (section 1) added catalog numbers 5444, 5444.2 and 5444.5.
Rev 4, 10-14-2003: (Section 1) added Solutions Plus catalog number N065280.
Rev 5, 11-12-2003: (Section 1) added Solutions Plus catalog numbers N065050 and N065060.
Rev 6, 01-20-2004: Reviewed and approved.
Rev 7, 05-12-2005: (Section 1) added SpectroPure catalog number SN065045.
Rev 8, 12-01-2005: (Section 1) revised title, added catalog numbers R7497500 and R7497600.

When handled properly by qualified personnel, the product described herein does not present a significant health or safety hazard. Alteration of its characteristics by concentration, evaporation, addition of other substances, or other means may present hazards not specifically addressed herein and which must be evaluated by the user. The information furnished herein is believed to be accurate and represents the best data currently available to us. No warranty, expressed or implied, is made and RICCA CHEMICAL COMPANY assumes no legal responsibility or liability whatsoever resulting from its use.