

MATERIAL SAFETY DATA SHEET

Chemtrec 1-800-424-9300

ORTEC 1-864-859-1471

SECTION I

Product Name : ISOAMYL NITRITE
 Manufacture's Name : ORTEC, Inc.
 Address : 505 Gentry Memorial Highway
 : Easley, SC 29640
 Chemical Name : Isoamyl Nitrite
 Chemical Family : Organic Nitrite
 Formula : (CH3)2CHCH2CH2NO2

SECTION II- Hazardous Ingredients

Name	CAS #	%	TLV/PEL (units)
Isoamyl Nitrite	110-46-3	100	ND

SECTION III- Physical Data

Boiling Point : 210°F
 Vapor Pressure : ND
 Vapor Density (air=1) : 4.0
 Specific Gravity: 0.872
 Percent Volatile: 100%
 Evaporation Rate: ND
 Appearance & Odor : Clear, yellow liquid with characteristic odor.

SECTION IV- Fire and Explosion Hazard Data

HMIS Health Hazard : 3
 HAZARD Flammability : 4
 DATA Reactivity : 2
 Personal : G
 FLASH POINT: 50°F (10°C) COC

Flammable Limits : N/A

Extinguishing Media: CO2, dry chemical, alcohol foam.Special Fire Fighting Procedures: Fire fighters should wear self-contained breathing apparatus.Unusual Fire & Explosion Hazards: This chemical is flammable and may be ignited by heat, sparks, flame or other sources of ignition (e.g. static or electrical equipment).

SECTION V - Health Hazard/Routes of Entry

Eye Contact: Can cause mild eye irritation, including tearing and redness.Skin Contact: Can cause mild skin irritation. This material can be absorbed through the skin. Prolonged or repeated exposure may cause redness and drying, as well as the symptoms of inhalation.Skin Absorption: Can cause vasodilation with symptoms of flushing of skin, feeling of being warm, and possible headache.

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SECTION V - Health Hazard/Routes of Entry, cont.

Inhalation (Breathing): This material is a coronary vasodilator which can cause increased heart rate, headache, and dizziness.

Ingestion (Swallowing): No information available.

SECTION VI - Emergency and First Aid Procedures

Eye Contact: Remove the victim from the area. Wash the eyes with water for 15 minutes being sure to lift the eyelids. Seek medical attention.

Skin Contact: Remove all soiled clothing immediately and wash the skin with soap and water. Do not wear clothing until it has been laundered. If symptoms of absorption occur, seek medical attention.

Inhalation (Breathing): Remove the victim from the area as soon as possible. Seek medical attention. If the victim is not breathing begin CPR and then seek medical attention.

Ingestion (Swallowing): No information available.

SECTION VII- Reactivity Data

Stability: Stable under normal conditions.

Conditions Affecting Stability: Excessive heat.

Incompatibility (Material to avoid): Strong alkali, oxidizing and reducing materials.

Hazardous Decomposition Products: Nitrous acids, oxides of nitrogen.

Hazardous Polymerization: Will not occur.

Polymerization Conditions to Avoid: N/A

SECTION VIII - Spill or Leak Procedures

Precautions in Case of Release or Spill: Remove all unnecessary personnel from the area. Remove any ignition source. Collect spill on absorbant and place in sealed container.

EPA Reportable Quantity: N/A

Waste Disposal Method: Incinerate in a furnace by mixing with a more flammable solvent, if the material is on an absorbant. If not on absorbant then the material can be incinerated as is. Follow all federal, state and local regulations.

SECTION IX - Storage and Special Precautions

Handling Precautions: Keep containers closed. Open only in a well ventilated area.

Storage Precautions: Store in a cool, well ventilated area, away from ignition sources.

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SECTION X - Transportation Information

DOT (USA) Classification: Flammable liquid
DOT Shipping Name and Number: Amyl Nitrite, UN 1113

Other Information: packing group- II; hazard class- 3.

SECTION XI - Special Protection Information

Ventilation: Use local exhaust.

Respiratory Protection: NIOSH-approved respirator with organic vapor cannister.

Protective Gloves: Impervious material.

Eye Protection: Chemical splash goggles.

Other Protective Equipment: Eye wash and shower in the work area.

SECTION XII - Regulatory Information

Workplace Classifications: This product is considered hazardous under the OSHA Hazard Communication Standard (29CFR1910.1200).

Section 311/312 (40CFR 370): This product is categorized as:

<input checked="" type="checkbox"/> immediate health	<input checked="" type="checkbox"/> flammability hazard	<input type="checkbox"/> pressure hazard
<input type="checkbox"/> delayed health	<input checked="" type="checkbox"/> reactivity hazard	

Section 313 (40CFR 372): This product contains the following chemicals which are above the de minimis as listed. * NONE *

CERCLA 940CFR 302.4): Releases of this material to air, land, or water are not reportable to the National Response Center under CERCLA or to state and local emergency planning committees under SARA Title III Section 304.

RCRA Information: When a decision is made to discard this material as supplied, it is classified as a RCRA hazardous waste with the characteristic of ignitable waste, and hazardous waste number D00.

Chemical Control Law Statu : All components of this product are listed or are excluded from listing on the U.S. Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

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Prepared: 1990

Prepared by: _____

Revised: August 1996
Revision to Section V.