



Material Safety Data Sheet

Date Prepared: 10/17/03
Prepared By: RC Park
Technical Assistance: 607-562-2700

X-GEN Pharmaceuticals
PO BOX 445
Big Flats, NY 14814

AMYL NITRITE

IDENTIFICATION

Manufacture's Name: ORTEC Inc

Phone: (864) 859-1471

Common Name: Isoamyl Nitrite

Chemical Name: Isoamyl Nitrite

Synonym: n/f

Formula: $(CH_3)CH_2CH_2CH_2NO_2$

CAS Number: 110-46-3

RTECS Number: N/A

Chemical Family: Organic Nitrite

Therapeutic Category: N/A

INGREDIENT INFORMATION

Principle Components

Percent

Exposure Limits

Isoamyl Nitrite

100

N/D

HEALTH HAZARD INFORMATION

Inhalation: This material is a coronary vasodilator which can cause increased heart rate, headache, and dizziness. May cause irritation. Remove to fresh air.

Eye: Can cause mild eye irritation, including tearing and redness.

Skin: 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 vasodilatation with symptoms of flushing of skin, feeling of being warm and possible headache.

Ingestion: May cause irritation. Flush out mouth with water. This material is not appreciably absorbed from the gastrointestinal tract.

Ingestion (Swallowing): No information available.

n/f = not found

AMYL NITRITE

FIRST AID MEASURES

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.

TOXICOLOGICAL 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:

immediate health flammability hazard pressure hazard
 Delayed health 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: Release 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 DOC.

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

FIREFIGHTING MEASURES

**HMIS
HAZARD
DATA**

Health Hazard : 3
Flammability : 4
Reactivity : 2
Personal : G

Flash Point: 50°F (10°C) COC

n/f = not found

2

AMYL NITRITE

FIREFIGHTING MEASURES CONTINUED

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 source of ignition (e.g. static or electrical equipment)

PHYSICAL HAZARDS

Conditions to Avoid: Excessive heat.

Incompatibilities: Strong alkali, oxidizing and reducing materials

Decomposition Products: Nitrous acids, oxides of nitrogen.

Stable? Stable under normal conditions

Hazardous Polymerization? Will not occur.

HANDLING / SPILL / DISPOSAL MEASURES

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

EPA Reportable Quantity: N/A

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

Spill Response: Remove all unnecessary personnel from the area. Remove any ignition source. Collect spill on absorbent and place in sealed container.

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

EXPOSURE CONTROLS / PERSONAL PROTECTION

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

Ventilation: Use local exhaust

Gloves: Impervious material.

Eye Protection: Chemical splash goggles.

Protective Clothing: N/A

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

AMYL NITRITE

PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: Clear, yellow liquid with characteristic odor.

Melting Point: N/A

Solubility in Water: N/A

Vapor Density: (air=1) : 4.0

Solubility in Water: N/A

Evaporation Rate: ND

Boiling Point: 210°

Specific Gravity: 0.872

Reactivity in Water: n/f

Vapor Pressure: ND

% Volatile by Volume: 100%

TRANSPORTATION INFORMATION

DOT (USA) Classification: Flammable liquid.

DOT Shipping Name and Number: Amyl Nitrite, UN 1113

Other Information: Packing group – II; hazard class – 3.