

4-nitro-2,1,3-benzoxadiazole: sc-290453



The Power to Question

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: 4-nitro-2,1,3-benzoxadiazole
Product Number: sc-290453
Supplier: Santa Cruz Biotechnology, Inc.
2145 Delaware Avenue
Santa Cruz, CA 95060
800.457.3801 or 831.457.3800
Emergency: ChemWatch
Within the US & Canada: 877-715-9305
Outside the US & Canada: +800 2436 2255 (1-800-CHEMCALL) or call +613 9573 3112

2. HAZARDS IDENTIFICATION

Emergency overview

Irritant

Cautionary statements

Avoid prolonged exposure. Do not breathe vapor. Use caution when handling. Exposure to any chemical should be limited. To the best of our knowledge, the health hazards of this product have not been fully investigated.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Formula: C₆H₃N₃O₃
Molecular weight: 165.11
CAS #: 16322-19-3

4. FIRST AID MEASURES

If inhaled

Remove the victim from the source of exposure to fresh, uncontaminated air. If victim's breathing is difficult, administer oxygen. Seek medical attention.

In case of skin contact

After contact with skin, wash with generous quantities of running water. Gently and thoroughly wash affected area with running water and non-abrasive soap. Cool water may be used. Cover the affected area with emollient. Seek medical attention. Wash any contaminated clothing prior to reusing.

In case of eye contact

Check for and remove any contact lenses. Immediately flush eyes with clean, running water for at least 15 minutes while keeping eyes open. Cool water may be used. Seek medical attention.

If swallowed

Do NOT induce vomiting. Give water to victim to drink. Seek medical attention.

5. FIREFIGHTING MEASURES

Suitable extinguishing media

Carbon dioxide, dry chemical powder, alcohol or polymer foam.

Hazardous combustion products

Emits toxic fumes under fire conditions.

Special protective equipment for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Wear appropriate respirator, impervious boots and heavy rubber (or otherwise impervious) gloves.

Methods and materials for containment and clean up

Scoop up solid material or absorb liquid material and place into appropriate container. Ventilate area and wash affected spill area after pickup is complete. Wash skin immediately with plenty of water. Place solid or absorbed material into containers and close for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Do not breathe dust or vapor. Have safety shower and eye wash available. Do not get in eyes, on skin or on clothing. Ensure adequate ventilation during use.

Conditions for safe storage

Keep container tightly closed. Store in a cool, dry, well-ventilated place. Store at room temperature.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering measures

Ensure ventilation during use.

Personal protective equipment

Hand protection

Wear chemical-resistant gloves.

Skin and body protection

Wear protective clothing and chemical resistant boots.

Eye protection

Wear protective safety goggles.

Hygiene measures

After contact with skin, wash immediately.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	solid	pH:	no data available
Vapor pressure:	no data available	Viscosity:	no data available
Boiling point:	no data available	Freezing / Melting point:	no data available
Flash point:	no data available	Autoignition temperature:	no data available
Upper flammable limits:	no data available	Lower flammable limits:	no data available

10. STABILITY AND REACTIVITY

Materials to avoid

Strong oxidizing agents. Strong acids and bases.

Hazardous decomposition products

Carbon monoxide, carbon dioxide, oxides of nitrogen.

11. TOXICOLOGICAL INFORMATION

Acute effects:

Irritant

Potential health effects

May be harmful by ingestion and inhalation. Material is irritating to mucous membranes and upper respiratory tract.

Signs and symptoms of exposure

To the best of our knowledge, the toxicological properties of this product have not been fully investigated or determined.

12. ECOLOGICAL INFORMATION

Mobility in soil

no data available

Persistence and degradability

no data available

Bioaccumulative potential

no data available

Other adverse effects

no data available

13. DISPOSAL CONSIDERATIONS

Product

Absent other actions demanded by federal or local regulations; dissolve or mix the material with a combustible solvent and burn in a regulated, chemical incinerator equipped with after burner and scrubber.

Contaminated packaging

Observe all federal, state and local laws.

14. TRANSPORTATION INFORMATION

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

15. REGULATORY INFORMATION

Adhere to all Federal, State and local regulations.

16. OTHER INFORMATION

The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.

11/5/2013