

Phenyl Cyanate: sc-212548



The Power to Question

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Phenyl Cyanate

Product Number: sc-212548

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

GHS Hazards Classification

Acute toxicity, Oral (Category 3)

Skin irritation (Category 2)

Eye irritation (Category 2A)

Specific target organ toxicity - single exposure, respiratory tract (Category 3)

Hazards Identification

Pictograms



Signal Word

Danger

Hazard Statements

H301

Toxic if swallowed.

H315

Causes skin irritation.

H319

Causes serious eye irritation.

H335

May cause respiratory irritation.

Precautionary Statements

P261

Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.

P280

Wear protective gloves.

P301/P310

IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.

P305/P351/P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

HMIS Classification

Health Hazard:

3

Flammability:

1

Physical Hazards:

0

WHMIS Classification (Canada)

D1B

Toxic Material Causing Immediate and Serious Toxic Effects

D2A

Toxic by Ingestion. Moderate eye irritant. Moderate skin irritant.
Moderate respiratory irritant.

Potential Health Effects

Inhalation

May be harmful if inhaled. Causes respiratory tract irritation.

Skin

May be harmful if absorbed through skin. Causes skin irritation.

Eyes

Causes eye irritation.

Ingestion

Toxic if swallowed.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Synonyms: Cyanic Acid Phenyl Ester
Formula: C₇H₅NO
Chemical Weight: 119.12
CAS #: 1122-85-6

4. FIRST AID MEASURES

General Advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIREFIGHTING MEASURES

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Use personal protective equipment. Avoid dust or aerosol formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

Environmental precautions

Do not let product enter drains.

Methods and materials for containment and cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Avoid contact with skin and eyes. Avoid formation of dust or aerosols. Provide appropriate exhaust ventilation at places where dust/aerosol is formed. Normal measures for preventative fire protection.

Conditions for safe storage

Keep container tightly closed in a dry and well-ventilated place. Temperature sensitive. Store at -20° C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no components with established occupational exposure limits.

Personal Protective Equipment

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use an approved full-face respirator with approved N100/organic/acid vapor cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Specific engineering controls

Use mechanical exhaust or laboratory fumehood to avoid exposure.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Oily liquid	Odor	No data available
Odor Threshold	No data available	pH	No data available
Melting Point/Freezing Point	No data available	Boiling Point/Boiling Range	78 °C (13 mmHg)
Flash point	No data available	Evaporation Rate	No data available
Flammability (Solid/Gas)	No data available	Upper/Lower Explosive Limits	No data available
Vapor Pressure	No data available	Vapor Density	No data available
Relative Density	No data available	Auto-Ignition Temperature	No data available
Decomposition Temperature	No data available	Viscosity	No data available
Explosive Properties	No data available	Oxidizing Properties	No data available
Solubility	No data available		

10. STABILITY AND REACTIVITY**Chemical Stability**

Stable under recommended storage conditions.

Conditions to Avoid

No data available

Incompatible Materials

Strong oxidizing materials.

Hazardous Decomposition Products

Hazardous decomposition product formed under fire conditions: carbon oxides, nitrogen oxides.

11. TOXICOLOGICAL INFORMATION**Acute Toxicity**

No data available

Corrosion/Irritation

no data available

Sensitization

no data available

Carcinogenicity

IARC: To the best of our knowledge, this compound has not been identified as a possible or potential human carcinogen by IARC.

Reproductive Toxicity/Teratogenicity

No data available

Potential Health Effects

Inhalation	May be harmful if inhaled. Causes respiratory tract irritation.
Skin	May be harmful if absorbed through the skin. Causes skin irritation.
Eyes	Causes eye irritation.
Ingestion	Toxic if swallowed.

Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties of this material have not been thoroughly investigated.

Additional Information

RTECS: not listed

12. ECOLOGICAL INFORMATION

Toxicity

no data available

Bioaccumulative potential

no data available

PBT and vPvB assessment

no data available

Persistence and degradability

no data available

Mobility in soil

no data available

Other adverse effects

no data available

13. DISPOSAL CONSIDERATIONS

Product

Offer surplus and non-recyclable solutions to licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated Packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)

UN-Number: 2810

Class: 6.1

Packing group: III

Proper shipping name: Toxic liquid, organic, n.o.s. (Phenyl Cyanate)

Marine pollutant: No

Poison Inhalation Hazard: No

IMDG

UN-Number: 2810

Class: 6.1

Packing group: III

EMS-No: F-E, S-C

Proper shipping name: Toxic liquid, organic, n.o.s. (Phenyl Cyanate)

Marine pollutant: No

IATA

UN-Number: 2810

Class: 6.1

Packing group: III

Proper shipping name: Toxic liquid, organic, n.o.s. (Phenyl Cyanate)

15. REGULATORY INFORMATION

Canada-DSL/NDSL Status

This product or a component of the product is registered on the Canadian DSL/NDSL.

WHMIS Classification

D1B

Toxic Material Causing Immediate and Serious Toxic Effects

D2A

Toxic by Ingestion. Moderate eye irritant. Moderate skin irritant.

Moderate respiratory irritant.

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.

08/08/2014