

Material Safety Data Sheet

Dihydroxyran

Quick Identifier

2,3 Dihydroxyran

Common Name (used on label and list):

May be used to comply with OSHA's Hazard Communication Standard, 29CFR 1910.1200. Standard must be consulted for specific requirements.

SECTION I

Manufacturer's Name and Address

Penn Specialty Chemicals, Inc.
3324 Chelsea Avenue
Memphis, TN 38108

Emergency Telephone Number

901-320-4092

HAZARD INFORMATION SERVICES:800-228-5635

(For Emergency Medical Information)

For Product Information and Other Calls:

Penn Specialty Chemicals, Inc.: 877-895-7366

Effective: June 16,2004

Supersedes: -

SECTION II - Hazardous Ingredients/Identity Information

Hazardous Component(s) Chemical & Common Name(s)	OSHA PEL	ACGIH TLV	CAS NO.
Dihydroxyran			
3,4 Dihydro-2H-Pyran			
2,3 Dihydroxyran	Not available	Not available	110-87-2

SECTION III - Physical/Chemical Characteristics

Boiling Point	Vapor Density (Air=1)	Specific Gravity (H ₂ O=1)	Vapor Pressure (mm Hg)
85° C	2.9	<u>0.927@20° C</u>	<u>120@20° C</u>

Solubility in Water
Complete

Reactivity in Water : No

Appearance and Color

Clear ,colorless liquid with ethereal odor

Melting Point/Freezing Point

-70° C

SECTION IV - Fire and Explosion Hazard Data

Flash Point	Method Used	Flammable Limits in Air, % Volume	LEL Lower	UEL Upper
-15 °C	Closed cup		1.1	13.8

Auto-Ignition temperature

240°C

Extinguisher Media

Water spray, dry chemicals, foam, carbon dioxide

Special Fire Fighting Procedures

Flammable liquid. Wear breathing apparatus and protective clothing.

Unusual Fire and Explosion Hazards N/A

SECTION V - Physical Hazards/Reactivity Data

Stability	Stable	Unstable	Conditions to Avoid
		Stable	

Incompatibility (Materials to Avoid)

Strong acids. Oxidizing agents and alcohols

Hazardous Decomposition Products

Carbon monoxide and carbon dioxide

Hazardous Polymerization

May Occur

Will Not Occur X

Conditions to Avoid

SECTION VI - Health Hazards

Chemical Listed as Carcinogen or Potential Carcinogen	National Toxicology Yes No X	IARC Monographs Yes No X	OSHA Regulated Yes No X
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No

Material Safety Data Sheet

Dihydropyran

Quick Identifier

2,3 Dihydropyran

Common Name (used on label and list):

May be used to comply with OSHA's Hazard Communication Standard, 29CFR 1910.1200. Standard must be consulted for specific requirements.

Signs and Symptoms

Exposure Detectable odor

Acute Overexposure N/A

Chronic Overexposure : N/A

Emergency and First Aid Procedures for Overexposure - Obtain prompt medical attention.

Inhalation:

Systemic Toxicity Rating: Moderately Toxic

Eyes: Flush eyes with water for at least 15 minutes

Skin: Wash affected area with copious amounts of water

Ingestion: Seek immediate medical attention

SECTION VII - Special Precautions and Spill/Leak Procedures

Precautions to be taken in Handling and Storage Store in cool, dry, well ventilated area separate from acids, oxidizers and alcohols.

Other Precautions: Keep tightly closed Protect against atmospheric oxygen/air

Steps to be taken in case Material is Released or Spilled Shut off sources of ignition. Pick up spills with sand or non combustible absorbent. Flush the area with water.

Waste Disposal Methods (Consult Federal, State and Local Regulations). Dispose as flammable waste in accord with current regulations.

SECTION VIII - Special Protection and Control Measures

Respiratory Protection (*Specify Type*): NIOSH organic vapor, air purifying respirator.

Eye Protection Chemical goggles and face shield

Protective Gloves Impervious chemical gloves.

Other Protective Clothing or Equipment: Eye fountain. Safety shower

Work Hygiene Practices Avoid direct contact with Dihydropyran. Wash thoroughly after handling.

Transport Information:

DOT: 2,3 Dihydropyran, Hazard class 3 46 CRF 3 UN 2376

Flammable liquid Packaging group 11

The data contained herein is based on information currently available to Penn Specialty Chemicals, Inc. to be factual and the opinions expressed to be those of qualified experts; however, this data is not to be taken as a warranty or representation for which Penn Specialty Chemicals, Inc. assumes legal responsibility.
