

MATERIAL SAFETY DATA SHEET

Product Name: VCD

Other Names: Vinyl-4-cyclohexene Diepoxide; 4-Vinylcyclohexene dioxide

Catalog Number: 21320

DOT Hazard Class: Not Applicable

MSDS Updated: 9/2011

Distributed By: Ladd Research
83 Holly Court
Williston, VT 05495
(802) 658-4961

HAZARDOUS COMPONENTS

	<i>CAS Number</i>	<i>Percent</i>	<i>Exposure Limits</i>
VCD	106-87-6	100%	10ppm (ACGIH TLV)

PHYSICAL AND CHEMICAL DATA

Boiling Point: 227°C

Vapor Pressure: <0.1 mm Hg @ 20°C

Vapor Density: 4.8 (air = 1)

Specific Gravity: 1.09

Evaporation Rate: 0.01 (butyl acetate = 1)

Appearance and Odor: Low viscosity liquid; characteristic odor.

FIRE AND EXPLOSION HAZARD DATA

Flash Point: 230°F (Cleveland Open Cup)

Extinguishing Media: Carbon dioxide or dry chemical for small fires. All-purpose or alcohol foams for large fires.

Special Fire Fighting Procedures: A fine water spray may be used. Do not use a solid water stream; this may cause frothing. Use a self-contained breathing apparatus and protective clothing.

HEALTH HAZARD DATA

Primary Routes of Entry: Ingestion, skin contact, eye contact

Ingestion: Moderately toxic. May cause nausea, vomiting, diarrhea and abdominal discomfort.

Skin: Mild to moderate reddening of skin.

Eye: Severe irritation and chemical burns.

EMERGENCY AND FIRST AID

Ingestion: Give two glasses of water and induce vomiting. Call a physician.

Skin: Remove contaminated clothing and wash skin thoroughly with soap and water.

Eye: Immediately flush eyes thoroughly with water for at least 15 minutes. Seek medical attention without delay.

REACTIVITY DATA

Stability: Stable

Hazardous Polymerization: May occur

Conditions to Avoid: This product showed an exotherm at 280°C.

Incompatibility: Oxidizers, amines, ammonia, acids, halogens and anhydrides

Hazardous Decomposition Products: Burning can produce carbon monoxide and/or carbon dioxide.

SPILL, DISPOSAL AND STORAGE INFORMATION

Spill: Collect spilled material on absorbent (Vermiculite, etc.). Avoid discharge to sewers or waterways.

Disposal: Incinerate in a furnace where permitted under appropriate federal, state and local regulations.

Storage: Store in a cool dry environment.

PROTECTIVE EQUIPMENT AND CONTROL MEASURES

Respiratory: Use respirator fitted with an organic vapor cartridge.

Gloves: Neoprene or butyl rubber

Eye: Monogoggles

Ventilation: Mechanical ventilation adequate if material is handled in covered equipment. Local ventilation is necessary if vapors can be expected to escape to the workplace air.

SECTION 313 SUPPLIER NOTIFICATION

Not Applicable

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