



MATERIAL SAFETY DATA SHEET

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MSDS No. 9612206 9612207
9612208 9612300
Effective Date: November 11, 2002

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	Dichlorobenzene	416-984-3000 NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4 WHMIS Health 3 Flammability 2 Reactivity 0
Chemical Synonyms	1,4-Dichlorobenzene; p-Dichlorobenzene	
Formula	C ₆ H ₄ Cl ₂	
CAS No.	106-46-7	

SECTION II DANGEROUS INGREDIENTS

Name	%	TLV Units
Dichlorobenzene	100%	TWA: 10 ppm
WARNING!		

SECTION III PHYSICAL DATA

Melting Point (°C)	53°C	Specific Gravity (H ₂ O = 1)	1.458 @ 20/4°C
Boiling Point (°C)	174°C	Percent Volatile by Volume (%)	100%
Vapor Pressure (mm Hg)	0.6 @ 20°C	Evaporation Rate (Water = 1)	< 1
Vapor Density (Air=1)	5.1		
Solubility in Water	Insoluble.		
Appearance & Odor	White crystalline solid; "mothball" odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash point	66°C COC	Flammable Limits in Air % by Volume	N/A	Lower	Upper
Firefighting Procedures					

Use dry chemical, CO₂, alcohol foam, or water spray. In fire conditions, fire-fighters should wear an appropriate mask or a self-containing breathing apparatus.

Flammability and Explosion Hazards

Material is combustible. Fire or excessive heat may produce hazardous decomposition products to be produced as dust or fume.

TDG Not controlled under TDG.

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SECTION V REACTIVITY DATA

DD0030

Chemical Stability	Yes	X	If no. under what conditions?
	No		
Incompatible with Other products	Yes	X	Strong oxidizers.
	No		
Hazardous Decomposition Products	Carbon oxides, chlorides, chlorines.		
Reactive under what conditions	Keep away from heat, sources of ignition, incompatibles as oxidizers.		

SECTION VI TOXICOLOGICAL PROPERTIES

Route of Entry	Inhalation. Ingestion.
TLV	TWA: 10 ppm
Toxicity for animals	LD50: 3,826 mg/kg
Chronic effects on humans	Repeated or prolonged exposure to the substance can produce target organ damage. Target organs: Central nervous system, liver, kidneys, lungs.
Acute effects on humans	Harmful if inhaled or swallowed. Causes irritation of skin, eyes and respiratory tract.

SECTION VII PREVENTIVE MEASURES

Waste Disposal	Discharge, treatment, or disposal may be subject to local laws. Consult your local or regional authorities.
Storage	Keep in a cool, well ventilated place. Flammable materials should be stored away from extreme heat and away from strong oxidizing agents.
Precautions	Avoid contact with skin and eyes. Do not ingest. Do not inhale vapor or spray.
Spill or leak	Use appropriate tools to put the spilled solid in a convenient waste disposal container.
Protective Clothing	Safety glasses, lab coat, dust respirator, gloves.

SECTION VIII FIRST AID MEASURES

Specific first aid measures	Ingestion: Call physician or Poison Control Center immediately. Induce vomiting only if advised by the appropriate medical personnel. Eye contact: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek medical attention. Skin contact: Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Inhalation: Move victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Allow victim to rest in a well ventilated area. Seek immediate medical attention.
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SECTION IX PREPARATION OF THE MSDS

Rev. No.	2	Date	November 11, 2002	Approved	Michael Raszeja
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