



MATERIAL SAFETY DATA SHEET

1,3-DICHLOROBEZENE

SECTION 1- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name:
1,3-DICHLOROBEZENE

Product Name : 1,3-DICHLOROBEZENE
Synonyms :
M-Dichlorobenzene, M-Dichlorobenzol, M-Phenylenedichloride

Company Information:
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SECTION 2- COMPOSITION, INFORMATION ON INGREDIENTS

Ingredient : 1,3-DICHLOROBEZENE
Formula : C₆H₄CL₂
CAS No. : 541-73-1
Concentration : 99+%

Exposure Limits (PPM)
ACGIH TLV : None Established
OSHA PEL : None Established
MAC : None Established
Other STEL : None Established

SECTION 3- HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Flammable liquid and vapor.
Can form explosive mixtures in air.
May cause severe irritation or burns to the eyes and skin.
May cause irritation to the respiratory tract.

Potential Health Effects

ROUTES OF ENTRY: Inhalation , Eye , Ingestion

Acute Effects:

Acts as a central nervous system depressant. High concentrations may have a narcotic effect. Irritation to the eyes, mucous membranes, and upper respiratory tract. Symptoms include dizziness, drowsiness, cyanosis, pallor, spastic contraction of extremities, and loss of consciousness.

Chronic Effects:

Irritation to the eyes, mucous membranes, and upper respiratory tract. Inhalation at high



concentrations may be fatal due to spasm, inflammation and edema of the lungs, chemical pneumonitis and pulmonary edema. Kidney and liver damage. Can cause lung damage.

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:
Kidney and liver damage. Central nervous system diseases,

OTHER EFFECTS OF OVEREXPOSURE: None

CARCINOGENICITY (US ONLY):

NTP - No
IARC MONOGRAPHS - No
OSHA REGULATED - No

SECTION 4- FIRST AID MEASURES

Inhalation:

Immediately remove victim to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen.

Eye Contact:

Immediately flush with copious amounts of water for at least 15 minutes.

Skin Contact:

Rinse the affected area with flooding amounts of water and then wash it with soap and water.

Ingestion:

Never give anything by mouth to an unconscious person. Have conscious and alert person drink 1 to 2 glasses of water.

IN EVENT OF EXPOSURE, CONSULT A PHYSICIAN

Note To Physician:

If patient is conscious, attempt to induce vomiting with Ipecac Syrup. Consider activated charcoal cathartic. Administer charcoal slurry with saline, water, or sorbitol. In an unconscious patient, do gastric lavage with suction.

SECTION 5- FIRE FIGHTING MEASURES

Flash point : 63 deg. Celsius
Autoignition temperature : Not Available
FLAMMABLE LIMITS : Not Available
LOWER : Not Available
UPPER : Not Available

Extinguishing Media:

Use water spray to keep fire exposed cylinders cool. Extinguish with water spray, water fog, dry chemical, or carbon dioxide. Use water in flooding quantities as fog since solid streams of water may spread fire.

Special Fire Fighting Instruction And Equipment:

Wear self-contained breathing apparatus and full protective clothing. If possible, stop the product flow. Keep fire exposed cylinders cool with water spray

Hazardous Combustion Products:

Toxic carbon monoxide, hydrogen chloride and phosgene.

Unusual Fire And Explosion Hazards:

Cylinder rupture may occur under fire conditions. Severe when exposed to heat or flame. Vapors may travel a considerable distance to the source of ignition and flash back.

SECTION 6- ACCIDENTAL RELEASE MEASURES

Clean Up Procedures:

Evacuate and ventilate area. Remove all sources of ignition. Prevent release of material to surface water or sewers. Absorb with sand or vermiculite and place in closed containers for disposal. Place waste into a clean, dry container for disposal.

Specialized Equipment: None

SECTION 7 - HANDLING and STORAGE

Precautions To Be Taken In Handling:

Secure cylinder when using to protect from falling. Use suitable hand truck to move cylinders.

Precautions To Be Taken In Storage:

Store in well ventilated areas. Keep valve protection cap on cylinders when not in use.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls:

Provide adequate general and local exhaust ventilation.

Eye / Face Protection:

Safety glasses

Skin Protection:

Impervious gloves, coveralls, boots, and/or other resistant protective clothing.

Respiratory Protection:

In case of leakage, use self-contained breathing apparatus.

Other Protective Equipment:

Safety shoes when handling cylinders.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Colorless
Odor	:	Odorless
Physical Pressure	:	Liquid
Vapor Pressure	:	@25 deg. celsius: 2.3 mm Hg
Vapor Density (air=1)	:	5.08
Boiling Point (c)	:	173
Solubility In Water	:	Insoluble
Specific Gravity (h2o=1)	:	@20 deg. celsius: 1.288
Evaporation Rate	:	N/Av
Odor Threshold	:	None

SECTION 10 - STABILITY AND REACTIVITY

Stability:

Stable under normal storage conditions.

Conditions to Avoid:

Storage in poorly ventilated areas. Storage near a heat source.

Materials To Avoid:

Oxidizing agents.

Hazardous Polymerization:

Will not occur.

Hazardous Decomposition:

Toxic carbon monoxide, hydrogen chloride and phosgene.

SECTION 11 - TOXICOLOGICAL INFORMATION

LETHAL CONCENTRATION (Lc50)	:	None Established
LETHAL DOSE 50 (Ld50)	:	Not Applicable
TERATOGENICITY	:	Not Applicable
REPRODUCTIVE EFFECTS	:	Not Applicable
MUTAGENICITY	:	Not Applicable

SECTION 12 - ECOLOGICAL INFORMATION

No adverse ecological effects are expected.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal Method:

Dispose of non-refillable cylinders in accordance with federal, state and local regulations. Allow gas to vent slowly to atmosphere in an unconfined area or exhaust hood. If the cylinders are the refillable type, return cylinders to supplier with any valve outlet plugs or caps secured and valve protection caps in place.

SECTION 14 - TRANSPORT INFORMATION

CONCENTRATION : 99+%

DOT DESCRIPTION (US ONLY):

Proper Shipping Name	:	Combustible Liquid, N.O.S.
Hazard Class	:	Combustible Liquid,
Packing Group	:	III
Identification Number	:	NA1993
Reportable Quantities	:	100 lbs.
Labeling	:	None

ADR / RID (EU Only) : Class 3, 31(c)

Special Precautions:

Cylinders should be transported in a secure upright position in a well ventilated truck.

SECTION 15 - REGULATORY INFORMATION

OSHA:

Process Safety Management: Material is not listed in appendix A of 29 CFR 1910.119 as highly hazardous chemical.

TSCA:

Material is listed in TSCA inventory

SARA:

The threshold planning quantity for material is 10,000 lbs

EU NUMBER:

208-792-1

NUMBER IN ANNEX 1 OF DIR 67/548:

Not listed in annex 1

EU CLASSIFICATION:

N/A

R:10-20-22

S: 24/25

SECTION 16 - OTHER INFORMATION

Other Precautions:

Protect containers from physical damage. Do not deface cylinders or labels. Cylinders should be refilled by qualified producers of compressed gas. Shipment of a compressed gas cylinder which has not been filled by the owner or with his written consent is a violation of federal law (49 CFR).

ABBREVIATIONS:

N/Ap - Not Applicable N/Av - Not Available SA - Simple Asphyxiant
NE - None Established

DISCLAIMER:

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