

MATERIAL SAFETY DATA SHEET

1,2-Dichloroethane, 98% (Ethylene Dichloride)

SECTION 1 . Product and Company Identification

Product Name and Synonym: 1,2-Dichloroethane, 98% (Ethylene Dichloride)
Product Code: D4492
Material Uses:
Manufacturer: Science Stuff
1104 Newport Ave
Austin, TX 78753
(512) 837-6020
Entry Date : 6/3/2013
Print Date: 6/3/2013
24 Hour Emergency Assistance : Chemtrec 800-424-9300
Canutec 613-996-6666

Health:	3
Flammability:	3
Reactivity:	0
Hazard Rating: Least Slight Moderate High Extreme 0 1 2 3 4 NA=Not Applicable NE=Not Established	

SECTION 2 HAZARD IDENTIFICATION

Keep away from heat and ignition sources. Harmful if swallowed. Avoid breathing vapors. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<input type="checkbox"/>	1,2-Dichloroethane, 98% (Ethylene Dichloride)	CAS# 107-06-2	100%	W/W	

SECTION 4 FIRST AID MEASURES

Keep away from heat and ignition sources. Harmful if swallowed. Avoid breathing vapors. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

FIRST AID: CALL A PHYSICIAN. SKIN: Remove contaminated clothing. Wash exposed area with soap and water.

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

INGESTION: If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.

SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Carbon Dioxide, dry chemical powder or appropriate foam
Fire / Explosion Hazards: Vapor may travel considerable distance to source of ignition and flash back.
Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

SECTION 6 ACCIDENTAL RELEASE MEASURES

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Eliminate Ignition Sources. Neutralize with: Soda lime, soda ash. Absorb with vermiculite or other inert material. Place in container.

SECTION 7 HANDLING AND STORAGE

Store in a cool dry well ventilated area. Keep away from heat and flame. Do not get in eyes, on skin, or on clothing.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: NIOSH/MSHA-approved respirator

Ventilation

Local Exhaust

Mechanical

Protective Gloves: NIOSH Approved Gloves

Eye Protection: Splash Goggles

Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Melting Point:	-31.9° F Freezes	Percent Volatile by Volume:	100%
Boiling Point:	181° F	Evaporation Rate	0.3
Vapor Pressure:	66	Evaporation Standard	Butylacetate =1
Vapor Density:	3.5	Auto Ignition Temp	775° F
Solubility in Water:	slight	Lower Flamm. Limit in Air	6.2
Appearance /Odors:	Colorless liquid, chloroform odor	Upper Flamm. Limit in Air	15.9
Flash Point:	58° C		
Specific Gravity:	1.26		

SECTION 10 STABILITY AND REACTIVITY INFORMATION

Stability:	Stable
Conditions to Avoid:	Avoid contact with heat, sparks, flames, or other sources of ignition.
Materials to Avoid:	Oxidizing agents, metals, bases, amines.
Hazardous Decomposition Products:	Carbon dioxide, carbon monoxide, hydrogen chloride
Hazardous polymerization:	Will Not Occur
Conditions to Avoid:	None known

SECTION 11 Toxicological Information

SECTION 12 Ecological Information

SECTION 13 Disposal Considerations

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SECTION 14 Transport Information

DOT Classification: Ethylene Dichloride, 3, 6.1, UN1184, PG II

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

SECTION 15 Regulatory Information

SECTION 16 Additional Information

Harmful if swallowed. Contact with liquid may cause severe eye and skin irritation and possible burns. May be absorbed through the skin. Inhalation may cause respiratory and digestive tract irritation and central nervous system depression characterized by headache, nausea, vomiting, dizziness and drowsiness. Conditions aggravated/target organs: Persons with pre-existing eye, skin or respiratory conditions may be more susceptible

Flammability

Health

Reactivity

Revisions

NFPA

0.1

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