

MATERIAL SAFETY DATA SHEET

Point No. 1	Chemical product and company identification.
Chemical product	Di-chloro Methane
synonyms	Methylene Chloride
Name of Manufacturing Company	M/s. Gujarat Alkalies & Chemicals Limited. P.O. Petrochemicals, Dist. Vadodara Gujarat, INDIA Telephone No. 2232681, 2232981 –82, 2232039 Fax No. 2232130
	Pin code no. 391 346 State –
Point No. 2	Composition, Information on ingredients Methylene Chloride
Point No. 3	Hazardous Identification poison, Class – 6.1 U.N. No. 1593 Hazchem No. 2 Z CAS No. 75-09-02 NFPA Rating :- Health – 2 Fire – 1 Reactivity - 0
Point No. 4	First Aid Measure Remove the victim to fresh air area, provide oxygen if required. Remove contaminated clothes from body and wash affected area of body with plenty of water. Wash eyes with plenty of water for 15 minutes. Seek medical aid.
Point No. 5	Fire Fighting Measure Fire – slight fire hazard. Keep containers cool by spraying water if exposed to heat or flame. Unusual hazards :- vapours are invisible spread along the ground. Shut off leaks if without risk, absorb on sand or earth. Disperse & flush. Workers involved in clean up must use protection against skin-contact & respirator tract.
Point No. 6	Accidental Release Measures Fire – slight fire hazard. Keep containers cool by spraying water if exposed to heat or flame. Unusual hazards :- vapours are invisible spread along the ground. Shut off leaks if without risk, absorb on sand or earth. Disperse & flush. Workers involved in clean up must use protection against skin-contact & respiratoretract.

Point No. 7	Handling and storage Transferring by hand using open bucket is not recommended because spillage is almost unavoidable. Avoid physical contact, use PPE, store in a cool dry well ventilated location, away from heat. A separated covered storage area should be provided for drums. Drums/ barrels should be air tight, leak proof, direct sunlight should be avoided during transportation.
Point No. 8	Exposure controls TLV (ACGIH) 50 ppm 175mg/m³ stel ppm mg/m³ (SHC) (SHC) not listed not listed LD – 50 2136mg/kg. Odour 205-307 697-743.8 (oral –rat) Threshold ppm mg/m³ Personal Protective equipment :- PVC hand gloves, gas mask with canister, on line respirator, B.A. Set poly carbonate goggles, face shield, gum boots PVC apron. Provision of safety shower, eye washer.
Point No. 9	Physical and chemical properties boiling range/point 40.10 C, physical stage ; liquid, appearance : colourless Melting/Freezing point -97.0 C 35.0 C, vapour pressure at – 420mm hg at 25°C, odour :- ether like odour pleasant odour vapour density (air = 1) :- 2.93, at 200 C, solubility in water - 2%, others :- miscible with alcohol specific Gravity water = 1.1335 at 200C PH not pertinent

Point No. 10	Stability and Reactivity Chemical Stability :- stable (stabilizer is added before – dispatch) Incompatibility :- Strong oxidizers, caustics chemically active metals with other material such as Al, Mg Powder, Na K Reactivity :- Reacts violently with Li, Na, K Hazardous reaction products :- when heated to decomposition, emits toxic fumes.
Point No. 11	Toxicological information Route of entry :- skin, eye inhalation, ingestion Effect of exposure/symptoms :- Irritation of eyes & respiratory tract, headache, vomiting – unconsciousness. Emergency Treatment :- Remove the victim to fresh air area, provide oxygen if required. Skin :- remove contaminated clothes, wash affected area with plenty of water. Eyes:- Wash with plenty of water for 15 minutes.

	Ingestion :- seek medical aid.
Point No. 12	Ecological information :- No data found
Point No. 13	Disposal Consideration Dispose in accordance with all applicable regulations. Subject to disposal regulation :- US. EPA 40 CFR 262, Hazardous Waste number(s) :- U080
Point No. 14	Transport information :- Formula CH ₂ Cl ₂ CAS NO. 75-09-2 U.N. No. 1593 Regulated shipping identification name:- Hazchem No. 2 Z Code/Label Methylene Dichloride poison, class 6.1 Hazardous Waste I.D. No. 6 Packing group III
Point No. 15	Regulatory information :- Hazardous ingredients CAS No. Hazardous ingredients Dichloromethanes 75-09-02
Point No. 16	Other Information Information contained in this material data sheet is believed to be reliable but no representation. Guarantee or warranties of any kind are made as to its accuracy, suitability for a particular application or results to be obtained from them. It is up to the manufacture/seller to ensure that the information contained in the material safety data sheet is relevant to the product manufacture handled or sold by him as the case may be. The Government makes no warranties, expressed or implied, in respect of the adequacy of this document for any particular purpose.