



# Gujarat Alkalies and Chemicals Ltd.

## Vadodara

Date:-21-01-2021

SECTION 1: Product and Company Identification			
<b>Name</b>	<b>METHYLENE CHLORIDE</b>		
<b>Company</b>	M/s Gujarat Alkalies and chemicals limited, P.O. Petrochemicals, Dist.: - Vadodara, Gujarat (India), Pin Code: 391346		
<b>Synonyms</b>	Dichloromethane; DCM		
<b>Emergency Contact Details</b>	Phone no.	09979897101, 09879604102	
	E-mail	headmarketing@gacl.co.in ccr@gacl.co.in	
SECTION 2: Hazards Identification			
<b>Emergency Overview</b>			
		Danger: Causes skin irritation, causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness.	
<b>Potential Health Effects</b>			
<b>Inhalation</b>	May be harmful if inhaled. Causes respiratory tract irritation.		
<b>Skin</b>	Harmful if absorbed through skin. Causes skin irritation.		
<b>Eyes</b>	Causes eye irritation.		
<b>Ingestion</b>	Harmful if swallowed.		
<b>Disposal</b>	Dispose of contents/container to an approved waste disposal plant		
SECTION 3: Composition/information on ingredients			
<b>Component</b>	<b>CAS-No.</b>	<b>EC-No.</b>	<b>Weight %</b>
Methylene chloride	75-09-2	200-838-9	> 99.5
SECTION 4: First Aid Measures			
<b>Inhalation</b>	Move to fresh air. If breathing is difficult, give oxygen. Obtain medical attention.		
<b>Skin</b>	Wash off immediately with plenty of water for at least 15 minutes. Obtain medical attention.		
<b>Eyes</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.		
<b>Ingestion</b>	Do not induce vomiting. Call a physician immediately.		
<b>Most important symptoms/effects</b>	Breathing difficulties. Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting		
<b>Notes to Physician</b>	Treat symptomatically.		
SECTION 5: Fire Fighting Measures			
<b>Suitable Extinguishing Media</b>	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.		
<b>Flash Point</b>	No data available	<b>Explosion Limits</b>	
<b>Auto ignition Temperature</b>	556 °C	<b>Upper</b>	23 vol %
		<b>Lower</b>	13 vol %
<b>Hazardous Combustion Products</b>	Carbon monoxide (CO) Carbon dioxide (CO <sub>2</sub> ) Hydrogen chloride gas Phosgene		
<b>Specific Hazards Arising from the Chemical</b>	Thermal decomposition can lead to release of irritating gases and vapours. Keep product and empty container away from heat and		

	sources of ignition.		
<b>NFPA: Health: 2</b>	<b>Flammability: 1</b>	<b>Instability: 0</b>	<b>Physical hazards: N/A</b>
<b>SECTION 6: Accidental Release Measures</b>			
<b>Personal Precautions</b>	Use personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Keep people away from and upwind of spill/leak.		
<b>Environmental precautions</b>	Should not be released into the environment. See Section 12 for additional ecological information.		
<b>Methods and materials for containment and cleaning up</b>	Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.		
<b>SECTION 7: Handling and Storage</b>			
<b>Handling</b>	Wear personal protective equipment. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation. Use only under a chemical fume hood.		
<b>Storage</b>	Keep containers tightly closed in a dry, cool and well-ventilated place.		
<b>SECTION 8: Exposure Controls/Personal Protection</b>			
<b>Exposure Guidelines:</b>			
	<b>Component</b>	<b>OSHA PEL</b>	<b>ACGIH TWA</b>
	Methylene chloride	25 ppm	50 ppm
<b>Engineering Measures</b>	Use only under a chemical fume hood. Ensure that eyewash stations and safety showers are close to the workstation location.		
<b>Personal Protective Equipment</b>			
<b>Eye/face Protection</b>	Wear appropriate protective eyeglasses or chemical safety goggles as described by Standard.		
<b>Skin and body protection</b>	Wear appropriate protective gloves and clothing to prevent skin exposure.		
<b>SECTION 9: Physical and Chemical Properties</b>			
<b>Appearance</b>	Colourless liquid	<b>Water solubility</b>	Slightly soluble
<b>Odour</b>	sweet odour	<b>Auto-ignition temperature</b>	556 °C
<b>pH</b>	No data available	<b>Viscosity</b>	0.42 mPas @ 25°C
<b>Melting point/freezing Point</b>	- 97 °C	<b>Flammability (solid, gas)</b>	No data available
<b>Initial boiling point and boiling range</b>	39 °C	<b>Decomposition temperature</b>	No data available
<b>Vapour pressure</b>	350 mbar @ 20°C	<b>Relative density</b>	1.33
<b>Vapour density</b>	2.93 (Air = 1.0)	<b>Oxidizing properties</b>	No data available
<b>SECTION 10: Stability and Reactivity</b>			
<b>Reactive Hazard</b>	None known, based on information available.		
<b>Stability</b>	Stable under recommended storage conditions.		
<b>Conditions to Avoid</b>	Heat, flames and sparks. Exposure to sunlight.		
<b>Incompatible Materials</b>	Alkali metals, Aluminium, Strong oxidizing agents, Bases, Amines, Magnesium, Strong acids and strong bases, Vinyl compounds.		
<b>Hazardous Decomposition Products</b>	Carbon monoxide (CO), Carbon dioxide (CO <sub>2</sub> ), Hydrogen chloride gas, Phosgene.		
<b>Hazardous Polymerization</b>	Hazardous polymerization does not occur.		
<b>Hazardous Reactions</b>	None under normal processing.		
<b>SECTION 11: Toxicological Information</b>			
<b>Acute toxicity</b>	LD <sub>50</sub> Oral - Rat - > 2000 mg/kg.		
<b>Carcinogenicity</b>	Limited evidence of carcinogenicity in animal studies.		

	Suspected human carcinogens.
<b>SECTION 12: Ecological Information</b>	
<b>Eco toxicity</b>	LC <sub>50</sub> - Pimephales promelas (fathead minnow) - 193.00 mg/l - 96 h. EC <sub>50</sub> - Daphnia magna (Water flea) - 1,682.00 mg/l - 48 h
<b>Other</b>	Will likely be mobile in the environment due to its volatility.
<b>SECTION 13: Disposal Considerations</b>	
<b>Waste treatment methods</b>	Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.
<b>Product</b>	Offer surplus and non-recyclable solutions to a licensed disposal facility.
<b>Contaminated packaging</b>	Dispose in accordance with all applicable regulations.
<b>SECTION 14: Transport Information</b>	
<b>UN number</b>	1593
<b>UN proper shipping name</b>	DICHLOROMETHANE
<b>Transport hazard class</b>	6.1
<b>Packaging group</b>	III
<b>Environmental hazards</b>	IMDG Marine pollutant: No
<b>SECTION 15: Regulatory Information</b>	
<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	
This safety datasheet complies with the requirements of Regulation.	
<b>SECTION 16: Other Information</b>	
<p>Disclaimer</p> <p>The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.</p>	