

Methylene Dichloride (MDC)

Chlorinated industrial solvent

Product Description

Methylene Dichloride (Dichloromethane / MDC) is an industrial solvent used in pharmaceutical manufacturing, paint stripping and chemical processing.

Certificate of Analysis

HSN Code: 2903.12

CAS Number: 75-09-2

Classification: Hazardous – Chlorinated Solvent

Parameter	Specification	Test Method
Appearance	Clear colorless liquid	Visual
Assay (Methylene Chloride)	"e 99.5 %	Gas Chromatography (GC)
Density at 20°C	1.319–1.322 g/cm ³	ASTM D4052
Water Content	"d 0.05 %	Karl Fischer
Acidity (as HCl)	"d 0.001 %	Titration
Distillation Range	39–41°C	ASTM D1078
Residue on Evaporation	"d 0.001 %	Gravimetric
Color (APHA)	"d 5	Visual / Hazen scale
Heavy Metals	"d 5 ppm	ICP-MS

Physical Properties

Appearance: Clear colorless volatile liquid

Odor: Sweet, chloroform-like odor

Molecular Formula: CH₂Cl₂

Molecular Weight: 84.93 g/mol

Solubility: Slightly soluble in water; miscible with most organic solvents

Density: 1.325 g/cm³ at 20°C

Boiling Point: 39.6°C

Packing: 200 kg MS drums (lined); IBC containers; ISO tank for bulk

Storage: Store in cool, well-ventilated area away from heat and direct sunlight. Keep containers tightly closed.

Safety & Handling

PPE: Chemical-resistant gloves, safety goggles, respiratory protection (organic vapor cartridge), protective clothing

Hazards:

- Suspected carcinogen
- Harmful by inhalation
- Causes skin and eye irritation