



Technical Data Sheet

BC Methylene Chloride (Dichloromethane – CH₂Cl₂)

1). Product Description

BC Methylene Chloride is a colorless, transparent, volatile liquid solvent with a characteristic, ether-like odor. It offers excellent solvency, low boiling point, and high volatility, making it suitable for a wide range of industrial applications such as metal cleaning, extraction, and formulation processes. It dissolves well in most organic solvents and slightly in water.

2). Features & Benefits

- High-purity solvent with $\geq 99.95\%$ assay
- Excellent solvency for resins, waxes, greases, and polymers
- Fast evaporation and low boiling point for efficient cleaning and drying
- Effective extraction and degreasing performance
- Non-flammable under normal handling conditions
- Compatible with a wide range of industrial and laboratory applications

3). Recommended Uses

BC Methylene Chloride is used across various industries as a solvent, cleaner, and extraction medium, including:

- Pharmaceutical Industry: Solvent in antibiotic and vitamin production
- Food Industry: Extraction of caffeine from coffee and tea; flavor and spice oleoresin extraction
- Coatings & Resins: Solvent for cellulose acetate, polycarbonate, and other polymers
- Metal Cleaning: Degreasing and surface preparation solvent
- Aerosols & Adhesives: Propellant and solvent in aerosol formulations
- Chemical Synthesis: Intermediate and extraction solvent in chemical processes



4). Technical Information

Property	Details
Chemical Name	Methylene Chloride (Dichloromethane)
Molecular Formula	CH ₂ Cl ₂
Molecular Weight	84.93 g/mol
Appearance	Colorless and transparent liquid
Odor	Sweet, ether-like odor
Purity	≥ 99.95%
Acidity (as HCl)	≤ 0.0003%
Water Content	≤ 0.01%
Boiling Point	39.8°C
Melting Point	-96.7°C
Flash Point	None (non-flammable under normal conditions)
Specific Gravity (25°C)	1.32 g/cm ³
Vapor Pressure (20°C)	47.3 kPa
Solubility in Water	1.32 g/100 mL (slightly soluble)

5). Packaging

- 270 kg net per iron drum



6). Handling & Storage

Handling Precautions:

- Keep away from heat, sparks, and open flames.
- Avoid inhalation of vapors or mist; ensure adequate ventilation.
- Avoid contact with skin and eyes.
- Ground and bond all equipment handling the material.
- Use personal protective equipment (gloves, goggles, respirator) when handling.

Storage Conditions:

- Store in a cool, dry, well-ventilated area away from direct sunlight.
- Keep containers tightly closed when not in use.
- Store away from oxidizing agents, strong bases, and reactive chemicals.
- Keep locked up and out of reach of children.

7). Shelf Life

- 24 months from the date of manufacture in unopened containers under proper storage conditions.

8). Health & Safety

- BC Methylene Chloride is harmful if inhaled or ingested and may cause irritation to the eyes and respiratory system.
- Prolonged exposure may cause central nervous system effects. Use only in well-ventilated areas.
- Refer to the Material Safety Data Sheet (MSDS) for full health and safety information.

DISCLAIMER

The data presented in this sheet are based on laboratory testing and practical experience. Variations in substrate, application method, and environmental conditions may impact performance. Users are advised to carry out tests under their own conditions. Building Chemistry Industry's responsibility is limited to the product replacement in cases of proven manufacturing defect.

