

Description Bromochloromethane (CH₂BrCl) is a colorless, heavy liquid of low viscosity.

Applications Organic synthesis
 Biocide intermediate
 Reaction solvent

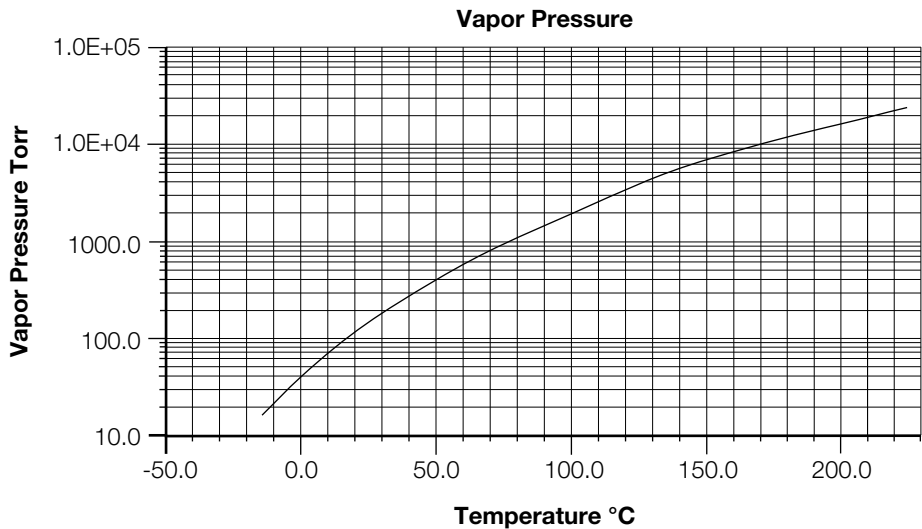
Specifications

Assay, GC, % wt.....	≥ 99.00
Non-volatile material, g/100 mL.....	≤ 0.004
Water, ppm.....	≤ 400
Color, APHA	≤ 30
Acidity, mL of 0.01N NaOH per 100 mL of 1:1 water extract	≤ 1.00

(Analytical methods available on request.)

Physical Properties

Specific gravity, 25/25°C	1.92
Density, 70°F (21°C), g/mL (lb/gal).....	1.93 (16.1)
Boiling point, °C, 1 atm	68
Refractive index, 77°F (25°C)	1.4808
Viscosity, centistokes, 20°C	0.35
40°C	0.30
60°C	0.26
Flash point	none
Freezing point, °C	-88
Solubility of Bromochloromethane in water, g/100g,	
25°C.....	0.4
40°C.....	0.8
60°C.....	1.8



Shipping Information

Container Information

Bromochloromethane is available in tank trucks, ISO tanks or in 30-gallon baked phenolic-lined drums.

Shipping Classification

Proper shipping name: Bromochloromethane
Hazard classification: 6.1
ID number: UN1887 PG III
Placard: DOT - poison / IMO - toxic
Label: DOT - poison / IMO - toxic

Safety and Handling Information

Chemical goggles or face shield and gloves resistant to chemical penetration should be used when handling this material. A full facepiece, NIOSH-approved supplied-air respirator will provide respiratory protection. Mechanical ventilation and local exhaust at the source of vapor are recommended. If skin contact or contamination of clothing is likely, protective clothing should be worn.

Due to the tendency of Bromochloromethane to hydrolyze and form acid on exposure to water, the material should be kept dry. Also for this reason, the use of unlined carbon steel for storage tanks is not recommended. Carbon steel with a suitable lining, such as high-baked phenolic, is recommended for tanks, etc. Contact with aluminum, zinc and magnesium should be avoided.

For specific safety and handling information, please refer to the Material Safety Data Sheet, which is available upon request.

Chemical Registration Numbers

CAS: 74-97-5
EINECS: 200-826-3
MITI: 2-58

The information presented herein is believed to be accurate and reliable, but is presented without guarantee or responsibility on the part of Albemarle Corporation. It is the responsibility of the user to comply with all applicable laws and regulations and to provide for a safe workplace. The user should consider any health or safety hazards or information contained herein only as a guide, and should take those precautions which are necessary or prudent to instruct employees and to develop work practice procedures in order to promote a safe work environment. Further, nothing contained herein shall be taken as an inducement or recommendation to manufacture or use any of the herein materials or processes in violation of existing or future patents.



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