DIBROMOMETHANE

ICSC: 0354

Date of Peer Review: October 1995

Methylene bromide
Methylene dibromide

CAS #	74-95-3	CH_2Br_2
RTECS #	PA7350000	Molecular mass: 173.8
UN #	2664	
EC Index #	602-003-00-8	

TYPES OF HAZARD / EXPOSURE	ACUTE HAZARDS / SYMPTOMS	PREVENTION	FIRST AID / FIRE FIGHTING
FIRE	Not combustible.		In case of fire in the surroundings: use appropriate extinguishing media.
EXPLOSION			In case of fire: keep drums, etc., cool by spraying with water.
EXPOSURE		**PREVENT GENERATION OF MISTS!**	
Inhalation	Dizziness. Drowsiness. Headache. Nausea.	Ventilation, local exhaust, or breathing protection.	Fresh air, rest. Artificial respiration may be needed. Refer for medical attention.
Skin	Dry skin. Redness.	Protective gloves.	Remove contaminated clothes. Rinse skin with plenty of water or shower.
Eyes	Redness.	Safety spectacles or eye protection in combination with breathing protection.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
Ingestion	(Further see Inhalation).	Do not eat, drink, or smoke during work.	Rinse mouth. Do NOT induce vomiting. Refer for medical attention.

SPILLAGE DISPOSAL	PACKAGING & LABELLING
Collect leaking and spilled liquid in sealable, non-aluminium containers as far as possible. Absorb remaining liquid in sand or inert absorbent and remove to safe place. Do NOT wash away into sewer. Personal protection: A filter respirator for organic gases and vapours.	Do not transport with food and feedstuffs. **EU Classification** Symbol: Xn R: 20-52/53 S: (2-)-24-61 **UN Classification** UN Hazard Class: 6.1 UN Pack Group: III
EMERGENCY RESPONSE	**STORAGE**
Transport Emergency Card: TEC (R)-61GT1-III	Separated from food and feedstuffs. Ventilation along the floor.

IPCS
International Programme on Chemical Safety

Prepared in the context of cooperation between the International Programme on Chemical Safety and the Commission of the European Communities © IPCS, CEC 2005

SEE IMPORTANT INFORMATION ON BACK

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IMPORTANT DATA

PHYSICAL STATE; APPEARANCE:
COLOURLESS LIQUID.

PHYSICAL DANGERS:
The vapour is heavier than air.

CHEMICAL DANGERS:
The substance decomposes on heating, on burning or on contact with hot surfaces producing toxic and irritating fumes including hydrogen bromide.

OCCUPATIONAL EXPOSURE LIMITS:
TLV not established.

ROUTES OF EXPOSURE:
The substance can be absorbed into the body by inhalation.

INHALATION RISK:
A harmful contamination of the air can be reached very quickly on evaporation of this substance at 20°C.

EFFECTS OF SHORT-TERM EXPOSURE:
The substance may cause effects on the nervous system and blood, resulting in impaired functions and formation of carboxyhaemoglobinemia. Exposure could cause lowering of consciousness.

EFFECTS OF LONG-TERM OR REPEATED EXPOSURE:
The liquid defats the skin. The substance may have effects on the liver and kidneys.

PHYSICAL PROPERTIES

Boiling point: 97°C
Melting point: -52.7°C
Relative density (water = 1): 2.5
Solubility in water, g/100 ml at 15°C: 1.2
Vapour pressure, kPa at 20°C: 5
Relative vapour density (air = 1): 6.0

Relative density of the vapour/air-mixture at 20°C (air = 1): 1.25

ENVIRONMENTAL DATA

NOTES

Do NOT use in the vicinity of a fire or a hot surface, or during welding. Card has been partly updated in October 2005. See sections Occupational Exposure Limits, EU classification, Emergency Response.

ADDITIONAL INFORMATION

LEGAL NOTICE Neither the CEC nor the IPCS nor any person acting on behalf of the CEC or the IPCS is responsible for the use which might be made of this information

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See Also:
Toxicological Abbreviations