



Material Safety Data Sheet

NFPA	HMIS	Personal Protective Equipment
200	Health Hazard 2 Fire Hazard 0	
	Reactivity 0	See Section 15.

Section 1. Chem	ical Product and Company Identification			Page Number: 1
Common Name/ Trade Name	Methylene bromide		Catalog Number(s).	M2259
			CAS#	74-95-3
Manufacturer	SPECTRUM CHEMICAL MFG. CORP.		RTECS	PA7350000
	14422 S. SAN PEDRO STREET GARDENA, CA 90248		TSCA	TSCA 8(b) inventory: Methylene bromide
Commercial Name(s)	Not available.		CI#	Not applicable.
Synonym	Dibromomethane	F		
Chemical Name	Methylene bromide			EMERGENCY (24hr) 800-424-9300
Chemical Family	Aliphatic halogenated compound. (Aliphatic.)		CALL (310) 5	16-8000
Chemical Formula	CH2Br2			
Supplier	SPECTRUM CHEMICAL MFG. CORP. 14422 S. SAN PEDRO STREET GARDENA, CA 90248			

Section 2.Composition	and Information	on Ingredients				
				Exposure Limits		
Name		CAS #	TWA (mg/m ³)	STEL (mg/m ³)	CEIL (mg/m ³)	% by Weight
1) Methylene bromide		74-95-3				100
Toxicological Data on Ingredients Section 3. Hazards Ic	Methylene bromide: ORAL (LD50): DERMAL (LD50): VAPOR (LC50):			g [Rabbit].		
Potential Acute Health Effects			nt). Slightly haza	rdous in case of	skin contact (in	ritant). Severe
Potential Chronic Health Effects	CARCINOGENIC EFF MUTAGENIC EFFEC TERATOGENIC EFFI DEVELOPMENTAL T The substance is toxic Repeated or prolonge highly toxic material organs.	TS: Mutagenic for ma ECTS: Not available. OXICITY: Not available to blood, lungs, the r d exposure to the sub	ole. nervous system, dig ostance can produc	gestive system, ga e target organs da	strointestinal tract	l exposure to an
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Methylene bromide

Section 4. First Aid Measures

Section 4. First Aid N	leasures
Eye Contact	Check for and remove any contact lenses. Do not use an eye ointment. Seek medical attention.
Skin Contact	After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention.
Serious Skin Contact	Not available.
Inhalation	Allow the victim to rest in a well ventilated area. Seek immediate medical attention.
Serious Inhalation	Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.
Ingestion	Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.
Serious Ingestion	Not available.
Section 5. Fire and E	xplosion Data
Flammability of the Product	Non-flammable.
Auto-Ignition Temperature	Not applicable.
Flash Points	Not applicable.
Flammable Limits	Not applicable.
Products of Combustion	Not available.
Fire Hazards in Presence of Various Substances	Not applicable.
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.
Fire Fighting Media and Instructions	Not applicable.
Special Remarks on Fire Hazards	Not available.
Special Remarks on Explosion Hazards	Not available.
Section 6. Accidental	Release Measures
Small Spill	Absorb with an inert material and put the spilled material in an appropriate waste disposal.
Large Spill	Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Section 7. Handling and Storage

Precautions

Storage

Keep locked up Do not ingest. Do not breathe gas/fumes/ vapour/spray. Avoid contact with eyes Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label.

Keep container tightly closed. Keep in a cool, well-ventilated place. Highly toxic or infectious materials should be stored in a separate locked safety storage cabinet or room.

Section 8. Exposure Controls/Personal Protection

Engineering ControlsProvide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their
respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the
work-station location.Personal ProtectionSplash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent.
Gloves.Personal Protection in Case of
a Large SpillSplash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be
used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist
BEFORE handling this product.Exposure LimitsNot available.

Section 9. Physical and Chemical Properties

Physical state and appearance	Liquid.	Odor	Not available.
Molecular Weight	173.85 g/mole	Taste	Not available.
pH (1% soln/water)	Not applicable.	Color	Colorless.
Boiling Point	96.95°C (206.5°F)		
Melting Point	-52.5°C (-62.5°F)		
Critical Temperature	310°C (590°F)		
Specific Gravity	2.497 (Water = 1)		
Vapor Pressure	40 mm of Hg (@ 20°C)		
Vapor Density	6.05 (Air = 1)		
Volatility	Not available.		
Odor Threshold	Not available.		
Water/Oil Dist. Coeff.	Not available.		
Ionicity (in Water)	Not available.		
Dispersion Properties	See solubility in water, methanol, diethyl ether, acet	one.	
Solubility	Partially soluble in methanol, diethyl ether, acetone. Insoluble in cold water, hot water.		

Section 10. Stability and Reactivity Data

Stability	The product is stable.
Instability Temperature	Not available.
Conditions of Instability	Not available.
Incompatibility with various substances	Slightly reactive to reactive with metals.
Corrosivity	Not available.

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Special Remarks on Reactivity	Not available.
Special Remarks on Corrosivity	Not available.
Polymerization	Not available.
Section 11. Toxicolo	ogical Information
Routes of Entry	Absorbed through skin. Eye contact. Ingestion.
Toxicity to Animals	WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute oral toxicity (LD50): 108 mg/kg [Rat]. Acute dermal toxicity (LD50): >4000 mg/kg [Rabbit]. Acute toxicity of the vapor (LC50): 3977.9 ppm 4 hour(s) [Rat].
Chronic Effects on Humans	MUTAGENIC EFFECTS : Mutagenic for mammalians. Mutagenic for bacteria and/or yeast. The substance is toxic to blood, lungs, the nervous system, digestive system, gastrointestinal tract.
Other Toxic Effects on Humans	Slightly hazardous in case of skin contact (irritant).
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Not available.
Special Remarks on other Toxic Effects on Humans	Not available.
Section 12. Ecologic	cal Information
Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products ma arise.
Toxicity of the Products of Biodegradation	The products of degradation are as toxic as the product itself.
Special Remarks on the Products of Biodegradation	Not available.
Section 13. Disposa	I Considerations
Waste Disposal	
Section 14. Transpo	ort Information
DOT Classification	CLASS 6.1: Poisonous material.
Identification	: Dibromomethane : UN2664 PG: III
Special Provisions for Transport	Not available.

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Methylene bromide

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DOT (Pictograms)



Section 15. Other Re	gulatory Informa	tion and	l Pictograms			
Federal and State Regulations	SARA 313 toxic chen	Methylene ne bromide Methylene nylene brom xport notifical notifie	e bromide e e bromide			
California Proposition 65 Warnings						
Other Regulations	OSHA: Hazardous by	definition	of Hazard Communication Stan	dard (29 CF	R 1910.120	0).
Other Classifications	WHMIS (Canada)	CLASS CLASS	D-1B: Material causing immedia D-2A: Material causing other to:	ate and seric xic effects (\	ous toxic effe /ERY TOXIC	cts (TOXIC). C).
	DSCL (EEC)	R48/25- damage	tating to eyes. Toxic: danger of serious to health in case of prolonged e if swallowed.			
HMIS (U.S.A.)	Health Hazard Fire Hazard Reactivity	2 0 0	National Fire Protection Association (U.S.A.)	Health	200	Flammability Reactivity
	Personal Protection	h			\sim	Specific hazard
WHMIS (Canada) (Pictograms)						
DSCL (Europe) (Pictograms)	·					
TDG (Canada) (Pictograms)						
ADR (Europe) (Pictograms)						
Protective Equipment	Glove	95.				
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Methylene l	bromide		Page Number: 6
		Lab coat.	
		Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.	
		Splash goggles.	
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Section 16.	Other Information		
	Other Information 4017D		
Section 16. (MSDS Code References			
ASDS Code	4017D		

Notice to Reader

All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, Spectrum Quality Products, Inc. assumes no responsibility for the completeness or accuracy of the information contained herein.