SAFETY DATA SHEET

1. Identification

Product identifier **MBC Concentrate Soil Fumigant**

Other means of identification

SDS number 398-USA-TCI

Recommended use Soil fumigant

NOTE TO PESTICIDE HANDLERS: If the pesticide product end-use labeling contains hazard information, specific instructions, or requirements that conflict with this Safety Data Sheet (SDS), follow the hazard information, instructions, or requirements on the labeling. See Section 15 of this SDS for further information.

Recommended restrictions Use of this product requires supervision by a certified pesticide applicator.

Manufacturer/Importer/Supplier/Distributor information

Company name Trical, Inc.

Address 8100 Arroyo Circle
Gilroy, CA 95020-7305, USA

Telephone (831) 637-0195

E-mail sds@trical.com

Emergency phone number	CHEMTREC (US/Canada)	1-800-424-9300	(24/7)
	CHEMTREC (International)	+1 703-527-3887	(collect calls accepted)

2. Hazard(s) identification

Physical hazards	Gases under pressure	Compressed gas
Health hazards	Acute toxicity, oral	Category 3
	Acute toxicity, dermal	Category 2
	Acute toxicity, inhalation	Category 1
	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2A
	Germ cell mutagenicity	Category 2
	Specific Target Organ Toxicity, Single Exposure	Category 1 (respiratory system damage)
	Specific Target Organ Toxicity, Single Exposure	Category 3 (respiratory tract irritation)
	Specific Target Organ Toxicity, Repeated Exposure	Category 1 (respiratory system damage)
	Specific Target Organ Toxicity, Repeated Exposure	Category 2 (Kidney, Lungs, Stomach, Heart, Nervous system, Musculo-skeletal system)
Environmental hazards	Hazardous to the ozone layer	Category 1

OSHA defined hazards Not classified.

Label elements

Signal word DANGER

Hazard statement	Contains gas under pressure; may explode if heated. Toxic if swallowed. Fatal in contact with skin. Fatal if inhaled. Causes skin irritation. Causes serious eye irritation. Suspected of causing genetic defects. Causes damage to organs (respiratory system). May cause respiratory irritation. Causes damage to organs (respiratory system) through prolonged or repeated exposure. May cause damage to organs (liver, kidney, lungs, stomach, heart, nervous system, musculoskeletal system) through prolonged or repeated exposure. Harms public health and the environment by destroying ozone in the upper atmosphere.
Precautionary statement	
Prevention	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe gas. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear respiratory protection. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection (per Section 8).
Response	Specific treatment is urgent. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. If swallowed: Immediately call a poison center/doctor. Wash with plenty of water. Take off immediately all contaminated clothing and wash it before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Collect spillage.
Storage	Keep container tightly closed. Store locked up. Protect from sunlight. Store in a well-ventilated place.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	Lachrymator - Vapor extremely irritating to the eyes and respiratory tract.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%
Methyl Bromide	74-83-9	98.0 *
Chloropicrin	76-06-2	2.0 *

Composition comments * Product label will reflect nominal active ingredient percentages.

4. First-aid measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Provide oxygen, if available, or artificial respiration, if needed. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a physician or poison control center for further treatment advice.
Skin contact	Remove contaminated clothing immediately and wash skin for 15-20 minutes with water, and if available, use soap. Call a physician or poison control center for treatment advice. Wash contaminated clothing before reuse. Refer to Section 4, General Information for more information on contaminated clothing.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.
Ingestion	This material is a gas under normal atmospheric conditions and ingestion is unlikely.
Most important symptoms/effects, acute and delayed	Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Causes respiratory distress and irritation. Early symptoms may include throat and nose irritation, nausea or vomiting. Prolonged exposure may cause chronic effects. Causes skin irritation.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.
General information	Take off immediately all contaminated clothing. Aerate contaminated clothing in a secure area downwind and away from people. IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse. Discard any shoes or clothing items that cannot be decontaminated, after aerating.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO_2). Water fog. Foam. Dry chemical powder. Carbon dioxide (CO_2).
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed. Per transport regulations, cylinders are not equipped with relief valves or fusible overpressure devices.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	In case of fire: Stop leak if safe to do so. Do not move cargo or vehicle if cargo has been exposed to heat. If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions. ALWAYS stay away from tanks engulfed in flame. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.
Specific methods	Heat from fire can cause a rapid build-up of pressure inside cylinders, which may cause explosive rupture.
General fire hazards	Contents under pressure. Pressurized container may explode when exposed to heat or flame.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). Wear appropriate protective equipment and clothing during clean-up. Do not breathe gas. Emergency personnel need self-contained breathing equipment. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS. For small spill/release, consider initial isolation for at least 60 meters (200 feet). For large spill/release, consider initial isolation for at least 200 meters (600 feet).
Methods and materials for containment and cleaning up	Stop the flow of material, if this is without risk. Isolate area until gas has dispersed. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases. Notify Local Emergency Planning Committee and State Emergency Response Commission for release greater than or equal to RQ (U.S. SARA Section 304).

7. Handling and storage

Precautions for safe handling	Obtain special instructions before use. Valve protection caps must remain in place unless container is secured. Close valve after each use and when container is empty. Do not drop, drag, slide or roll cylinders on their sides. Do not subject cylinders to rough handling or to abnormal mechanical shock. Use a suitable hand truck or forklift to move heavier cylinders. Never insert an object (e.g. wrench, screwdriver, pry bar) into cap openings. Use an adjustable strap wrench to remove over-tight or rusted caps. Open valve slowly. Do not heat container by any means to increase the discharge rate of product from the container. Use only dry nitrogen gas to pressurize cylinders. Polyethylene or Teflon® tubing may be used to transfer this product at low pressures. Regulator must be operated with a secondary pressure relief valve. DO NOT use high pressure hose connection between the nitrogen supplying cylinder and this product's cylinder. Do not handle until all safety precautions have been read and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Take precautionary measures against static discharges. Do not breathe gas. Do not get this material in contact with eyes. Do not get this material in contact with skin. Do not taste or swallow. Avoid prolonged exposure. Do not get this material on clothing. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Avoid release to the environment.
Conditions for safe storage, including any incompatibilities	Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in original tightly closed container. Store in a cool, dry place out of direct sunlight. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). Store at temperatures not exceeding 55°C/131°F.

8. Exposure controls/personal protection

Occupational exposure limits

Components	Type	Value
US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)		
Methyl Bromide (CAS 74-83-9)	Ceiling	20 ppm (80 mg/m3)
Chloropicrin (CAS 76-06-2)	PEL	0.1 ppm (0.7 mg/m3)
US. ACGIH Threshold Limit Values		
Methyl Bromide (CAS 74-83-9)	TLV-TWA	1.0 ppm
Chloropicrin (CAS 76-06-2)	TLV-TWA	0.1 ppm (0.7 mg/m3)
US. NIOSH: Pocket Guide to Chemical Hazards		
Chloropicrin (CAS 76-06-2)	REL-TWA	0.1 ppm (0.7 mg/m3)

Biological limit values No biological exposure limits noted for the ingredient(s).

Exposure guidelines

US - California OELs: Skin designation
Methyl Bromide (CAS 74-83-9) Can be absorbed through the skin.

US - Minnesota Haz Subs: Skin designation applies
Methyl Bromide (CAS 74-83-9) Skin designation applies.

US - Tennessee OELs: Skin designation
Methyl Bromide (CAS 74-83-9) Can be absorbed through the skin.

US ACGIH Threshold Limit Values: Skin designation
Methyl Bromide (CAS 74-83-9) Can be absorbed through the skin.

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)
Methyl Bromide (CAS 74-83-9) Can be absorbed through the skin.

Appropriate engineering controls Explosion-proof general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Water flushing facilities must be available when handling this product.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields and a face shield. Wear a full-face respirator, if needed.

Skin protection

Hand protection For formulators and non-end-use handlers and applicators, do not wear chemical-resistant gloves when handling this product unless performing tasks with potential for contact with liquid fumigant. Methyl bromide trapped inside gloves can cause skin injury.

Other Wear loose, long-sleeved shirts, long trousers and socks that are cleaned after each wearing. Do not wear jewelry or other gas-confining apparel.

For clean-up, wear chemical resistant gloves, footwear, and clothing or coveralls such as Tychem or Saranex.

- Incidental contact: < 10 minutes. Nitrile, butyl rubber or neoprene gloves are acceptable.
- More than incidental (Longer protection): > 10 minutes. Viton or Silver Shield ® gloves are recommended.

For EPA end-use handlers (including applicators):

When performing tasks with NO potential for contact with liquid fumigant:
- Wear long-sleeved shirt, long pants, shoes and socks.
- Do not wear jewelry, goggles, tight clothing, chemical-resistant gloves, rubber protective clothing, or rubber boots when handling.

When performing tasks with potential for contact with liquid fumigant:
- Wear long-sleeved shirt, long pants, shoes and socks.

Wear chemical resistant gloves, apron, and footwear with socks, plus protective eyewear (do not wear goggles).

In all working situations, if liquid or vapor exposure occurs, remove gloves, apron and footwear as soon as possible and discard as appropriate.

Respiratory protection	For non-handlers and non-applicators: If working in an environment where the eyes are stinging and watery due to exposure to this product, wear a NIOSH-approved full facepiece respirator with an organic vapor cartridge. For all EPA handlers (including applicators): - When an air-purifying respirator is required under the end-use label's Directions for Use, Protection for Handlers, Respiratory Protection and/or Stop Work Triggers section, handlers (including applicators) must wear a NIOSH-certified full-facepiece air-purifying respirator with cartridges certified by the manufacturer for protection from exposure to methyl bromide at concentrations up to 5 ppm (e.g., a 3M air-purifying respirator equipped with 3M Model 60928 Organic Vapor/Acid Gas/P100 cartridges). Emergency or planned entry into unknown concentrations or IDLH conditions: - Any self-contained breathing apparatus that has a full face piece and is operated in a pressure-demand or other positive-pressure mode. Escape: - Air-purifying respirator equipped with full facepiece and an organic vapor cartridge. - Any air-purifying hood style CBRN escape-certified respirator. - Air-purifying respirator with canisters (TC-14G) that include the escape gas mask (canister) respirator, the gas mask (canister) respirator, and the filter self-rescuer. - Any self-contained breathing apparatus with hood or full-facepiece mask. Respirators certified “escape only” can only be used for escape purposes and CANNOT be used for responding to emergencies.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	NOTE: Handlers and applicators must follow the end-use pesticide label instructions for each of the task situations that require personal protective equipment. When using, do not eat, drink or smoke. Do not get this material on clothing. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties

Appearance	
Physical state	Gas.
Form	Compressed gas.
Color	Colorless.
Odor	Irritating.
Odor threshold	700 ppb in 2-5 seconds (Chloropicrin)
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	1.675 @ 20 °C (68 °F)

Solubility(ies)

Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.

Other information

Density	13.98 lbs/gal @ 20 °C (68 °F)

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Heat may cause the cylinders to rupture or burst. Contact with incompatible materials.
Incompatible materials	Aluminum. Magnesium. Zinc. Alkali metals. Strong bases.
Hazardous decomposition products	During combustion: Carbon oxides. Bromides. Nitrogen oxides.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Fatal if inhaled. May cause damage to organs through prolonged or repeated exposure by inhalation.
Skin contact	Fatal in contact with skin. Causes skin irritation.
Eye contact	Causes serious eye irritation. Lachrymation (discharge of tears).
Ingestion	Toxic if swallowed. Not likely, due to the form of the product.
Symptoms related to the physical, chemical and toxicological characteristics	Convulsions. Dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation. Skin irritation. May cause redness and pain.

Information on toxicological effects

Acute toxicity Fatal in contact with skin. Fatal if inhaled. Toxic if swallowed.

Components		Species	Test Results
Methyl Bromide (CAS 74-83-9)			
Acute	*Dermal,* LD50	Rabbit	58 mg/kg
	Inhalation, LC50	Rat	20 ppm
Chloropicrin (CAS 76-06-2)			
Acute	*Dermal,* LD50	Rabbit	50 mg/kg, (converted acute toxicity point estimate)
	Inhalation, LC50	Rat	18.9 ppm, 4 hours, (126.6 mg/m3)
	Oral, LD50	Rat	37.5 mg/kg
			> 2000 ppb, 10 minutes, Human response - life-threatening effects including pulmonary edema can occur.
			> 580 ppb, 8 hours, Human response - life-threatening effects including pulmonary edema can occur.
			> 300 ppb, Human response - respiratory symptoms may increase in severity and include difficulty in breathing.
			> 150 ppb, Human response - headache, nausea, and vomiting may occur. These symptoms are temporary and reversible following termination of exposure.
			73 ppb, Human sensory irritation threshold (eye irritation).
			73 - 150 ppb, Human response - mild irritant to eyes and throat.

Skin corrosion/irritation Causes severe skin burns.

Serious eye damage/eye irritation Causes serious eye irritation.

Respiratory or skin sensitization

Respiratory sensitization Not classified.

Skin sensitization Not classified.

Germ cell mutagenicity Suspected of causing genetic defects.

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

IARC Monographs. Overall Evaluation of Carcinogenicity

Methyl Bromide (CAS 74-83-9) 3 Not classifiable as to carcinogenicity to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure Causes damage to organs (respiratory system). May cause respiratory irritation.

Specific target organ toxicity - repeated exposure Causes damage to organs (respiratory system, liver, kidney, lungs, stomach, heart, nervous system, musculoskeletal system) through prolonged or repeated exposure. May cause damage to organs (Kidney, Lungs, Stomach, Heart, Nervous system, Musculo-skeletal system) through prolonged or repeated exposure.

Aspiration hazard Not likely, due to the form of the product.

Chronic effects Causes damage to organs through prolonged or repeated exposure.

12. Ecological information

Ecotoxicity Harms public health and the environment by destroying ozone in the upper atmosphere.

Components		Species	Test Results
Chloropicrin (CAS 76-06-2)			
Aquatic			
Acute			
Crustacea	EC50	Oyster (Crassostrea cucullata)	6.4 µg/l, 96 hours
Fish	EC50	Bluegill (Lepomis macrochirus)	50 µg/l, 96 hours
		Fish	11 µg/l, 96 hours
		Sheepshead minnow (Cyprinodon variegatus)	100 µg/l, 96 hours
Chronic			
Other	NOEC	Lemna minor	11 µg/l, 7 days

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential No data available.

Partition coefficient n-octanol / water (log Kow)

Chloropicrin (CAS 76-06-2)	2.38
Methyl Bromide (CAS 74-83-9)	1.19

Mobility in soil The gas will disperse in the air.

Other adverse effects Dangerous for the environment: May damage the ozone layer.

13. Disposal considerations

Disposal instructions	Follow EPA approved label for Pesticide disposal directions. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations. Do not discharge this product or its effluent into lakes, rivers, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Avoid discharge into water courses or onto the ground. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT

UN number	UN1062
UN proper shipping name	Methyl bromide
Transport hazard class(es)	
Class	2.3
Subsidiary risk	-
Label(s)	2.3
Packing group	Not applicable.
Environmental Hazards	
Marine Pollutant	Not listed.
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Special provisions	3, B14, N86, T50
Packaging exceptions	None
Packaging non bulk	193
Packaging bulk	314, 315
Reportable quantity (RQ)	Methyl Bromide is 1000 pounds (454 kilograms).

IATA

UN number	Not available.
UN proper shipping name	Forbidden.
Transport hazard class(es)	
Class	Not available.
Subsidiary risk	-
Packing group	Not applicable.
Environmental hazards	No.
Special precautions for user	IATA: Not permitted for transport.

IMDG

UN number	UN1062
UN proper shipping name	METHYL BROMIDE
Transport hazard class(es)	
Class	2.3
Subsidiary risk	-
Packing group	Not applicable.
Environmental hazards	
Marine pollutant	Not listed.
EmS	F-C, S-U
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.

15. Regulatory information

US federal regulations

EPA FIFRA

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

DANGER, POISON, Skull and crossbones, EXTREMELY HAZARDOUS LIQUID AND VAPOR UNDER PRESSURE. DO NOT BREATHE VAPORS. INHALATION MAY BE FATAL OR CAUSE SERIOUS ACUTE ILLNESS OR DELAYED LUNG OR NERVOUS SYSTEM INJURY, WHICH MAY HAVE A DELAYED ONSET. THIS PRODUCT CONTAINS CHLOROPICRIN, WHICH IS VERY IRRITATING TO THE UPPER RESPIRATORY TRACT AND EVEN AT LOW LEVELS CAN CAUSE PAINFUL IRRITATION TO THE NOSE, THROAT, AND EYES, PRODUCING TEARING. IF THESE SYMPTOMS OCCUR, LEAVE THE FUMIGATION AREA IMMEDIATELY. CONTINUED EXPOSURE AFTER IRRITATION IS EVIDENT, OR HIGHER CONCENTRATIONS, MAY CAUSE PAINFUL IRRITATION TO THE EYES OR TEMPORARY BLINDNESS WHICH MAY CAUSE PANIC THAT MAY IN TURN LEAD TO FURTHER ACCIDENTS.

U.S. OSHA

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

U.S. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Methyl Bromide (CAS 74-83-9) LISTED

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA Hazard categories (for Tier II reporting)

See Physical and Health hazards listed in Section 2 of this SDS.

SARA 302 Extremely hazardous substance

Chemical name	CAS number	Reportable quantity	Threshold planning quantity
Methyl Bromide	74-83-9	1000 lbs	1000 lbs

SARA 311/312 Hazardous chemical

Yes.

SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
Methyl Bromide	74-83-9	98.0
Chloropicrin	76-06-2	2.0

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Methyl Bromide (CAS 74-83-9)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA)

Not regulated.

US state regulations

US. Massachusetts RTK - Substance List

Chloropicrin (CAS 76-06-2)

Methyl Bromide (CAS 74-83-9)

US. New Jersey Worker and Community Right-to-Know Act

Chloropicrin (CAS 76-06-2)

Methyl Bromide (CAS 74-83-9)

US. Pennsylvania Worker and Community Right-to-Know Law

Chloropicrin (CAS 76-06-2)

Methyl Bromide (CAS 74-83-9)

US. Rhode Island RTK

Chloropicrin (CAS 76-06-2)
Methyl Bromide (CAS 74-83-9)

US. California Proposition 65

The use of Methyl Bromide (CAS 74-83-9) as a fumigant on agricultural commodities, in soil, or on ornamentals is not subject to the requirements of Proposition 65.

International Inventories Methyl Bromide (CAS 74-83-9)
Chloropicrin (CAS 76-06-2)

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
Mexico	National Inventory of Chemical Substances (INSQ)	Yes
New Zealand	New Zealand Inventory (NZIoC)	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

* A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s). A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Version 4 date March 20, 2018

Revision history

11-15-2014	Initial GHS Version	
04-15-2015	Section 2:	Added (per Section 8) in Prevention information
	Section 8:	Revised Skin Protection information
01-12-2018	Sections 3, 15:	Revised composition of ingredients to reflect concentration by weight %
	Section 15:	Revised SARA Hazard Categories
03-20-2018	Section 15:	Revised California Proposition 65 information

Further information None.

NFPA ratings

NFPA Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Disclaimer

The information in the sheet was written based on the best knowledge and experience currently available. Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. Inherent Risks of Use: It is impossible to eliminate all risks associated with use of this product. Crop injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperatures, soil conditions, etc.) abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of the seller. To the extent consistent with applicable law, all such risks shall be assumed by buyer.