

DANGEROUS POISON

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

TRI-BROM

Methyl Bromide Fumigant 1000

ACTIVE CONSTITUENT:
1000g/kg METHYL BROMIDE

GROUP **8A** INSECTICIDE

For use by Professional and Registered Fumigators for control of weeds, nematodes, soil and insect pests and rodents.

NET CONTENTS:
100 kg

APVMA Approval No.: 85460/113341



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HEALTHY FIELDS. HEALTHY YIELDS.



UN 1062

METHYLBROMIDE

IN A TRANSPORT EMERGENCY
DIAL 000
POLICE OR FIRE BRIGADE

DIRECTIONS FOR USE:

RESTRAINTS

DO NOT treat soil if temperature at 10-15 cm depth is below 10°C.
DO NOT fumigate when very cold, very wet or very dry.
DO NOT treat seeds intended for planting or sowing.
DO NOT fumigate soil more than once per crop cycle.
DO NOT fumigate more than once, as commodity is likely to become unfit for use.
DO NOT treat within 50 cm of desirable vegetation.

1. SOIL FUMIGATION:

If soil temperature is between 10-15°C double the aeration and exposure times listed below.

CROP/SITUATION	PESTS	PRODUCT-RATE	MINIMUM EXPOSURE TIME	AERATION TIME BEFORE PLANTING	CRITICAL COMMENTS
Plant beds, turf & other local areas: QPS* and current approved CUE** treatments ONLY.	Nematodes, insects and weed seeds.	50 grams per 1 square metre	24 hours	48 hours	Where possible, treat inside a fumigation chamber. If not using a sealed pressure injection unit: The area to be fumigated should be well cultivated and the soil/compost should be moist but not wet. Make a furrow (150 mm deep) around the plot to be treated and lay tarpaulin, polythene or other plastic sheeting over cover supports (e.g. inverted bottles or wire hoops), to enclose the material to be fumigated. Ensure the sheeting edges are in the furrow. Connect plastic hoses to cylinder. Thoroughly seal edges of sheet in the furrow, by filling with soil and tramping down. Connect applicator and turn on valve on the cylinder.
Well-rotted compost, manure and top soil: QPS* and current approved CUE** treatments ONLY.	For nut grass control, use double dosage rate.	300 grams per 1 cubic metre	24 hours	72 hours	Make a furrow (150 mm deep) around the plot to be treated and lay tarpaulin, polythene or other plastic sheeting over cover supports (e.g. inverted bottles or wire hoops), to enclose the material to be fumigated. Ensure the sheeting edges are in the furrow. Connect plastic hoses to cylinder. Thoroughly seal edges of sheet in the furrow, by filling with soil and tramping down. Connect applicator and turn on valve on the cylinder.
Mulching straw or hay: QPS* and current approved CUE** treatments ONLY.		120 grams per 1 bale (approximately 20-30 kg)	48 hours	24 hours	Refer to General Instructions section for more detailed instructions. If using a sealed, pressure injection unit: Thoroughly cultivate the soil and ensure it is kept in moist conditions for 5 to 7 days prior to treatment; Apply methyl bromide to the soil by means of a sealed pressure injection unit, with tyre spacing of 30 cm and at a depth of 15 - 20 cm; To seal in fumigant, cover immediately behind tyres with plastic sheet and seal edges. It is recommended that recapture technology to recapture methyl bromide at the end of the treatment, be used where appropriate. Note that recapture of methyl bromide at the end of the treatment, for re-use or destruction, may be a legal requirement in some states. Mandatory recordkeeping# and reporting## requirements apply.
Plant beds and other local areas: QPS* and current approved CUE** treatments ONLY.	Damping-off fungi such as species of <i>Pythium</i> , <i>Rhizoctonia</i> and <i>Fusarium</i> .	100 grams per 1 square metre	24 hours	72 hours or longer	Refer to General Instructions section for more detailed instructions. If using a sealed, pressure injection unit: Thoroughly cultivate the soil and ensure it is kept in moist conditions for 5 to 7 days prior to treatment; Apply methyl bromide to the soil by means of a sealed pressure injection unit, with tyre spacing of 30 cm and at a depth of 15 - 20 cm; To seal in fumigant, cover immediately behind tyres with plastic sheet and seal edges. It is recommended that recapture technology to recapture methyl bromide at the end of the treatment, be used where appropriate. Note that recapture of methyl bromide at the end of the treatment, for re-use or destruction, may be a legal requirement in some states. Mandatory recordkeeping# and reporting## requirements apply.
Decomposed compost and manure: QPS* and current approved CUE** treatments ONLY.		600 grams per 1 cubic metre	24 hours	72 hours or longer	Refer to General Instructions section for more detailed instructions. If using a sealed, pressure injection unit: Thoroughly cultivate the soil and ensure it is kept in moist conditions for 5 to 7 days prior to treatment; Apply methyl bromide to the soil by means of a sealed pressure injection unit, with tyre spacing of 30 cm and at a depth of 15 - 20 cm; To seal in fumigant, cover immediately behind tyres with plastic sheet and seal edges. It is recommended that recapture technology to recapture methyl bromide at the end of the treatment, be used where appropriate. Note that recapture of methyl bromide at the end of the treatment, for re-use or destruction, may be a legal requirement in some states. Mandatory recordkeeping# and reporting## requirements apply.

2. GENERAL FUMIGATION:

SITUATION	PESTS CONTROLLED	DOSAGE g/m ³	TEMP. (°C)	EXPOSURE TIME	CRITICAL COMMENTS
					Prevent leakage of fumigant. Ensure all windows, doors and other openings are sealed and the area is sign-posted. When fumigating buildings, grain trucks and ships' holds, apply the fumigant from outside the structure. After fumigation, aerate the structure well and keep animals, children and unauthorised persons away from the treatment area until free from methyl bromide, as indicated by an appropriate measuring device.

SITUATION	PESTS CONTROLLED	DOSAGE g/m ³	TEMP. (°C)	EXPOSURE TIME	CRITICAL COMMENTS
					Refer to General Instructions section for more detailed instructions. It is recommended that recapture technology to recapture methyl bromide at the end of the treatment be used where appropriate. Note that recapture of methyl bromide at the end of the treatment, for re-use or destruction, may be a legal requirement in some states. Mandatory recordkeeping# and reporting## requirements apply.
Fumigation of: Cereal grains, cereal products, dried fruits, pulse and pulse products (including field peas), timber and cane products, buildings and other structures: Quarantine and Pre-shipment (QPS*) or current approved Critical Use Exemption (CUE**) treatments ONLY.	Stored Product Insect Pests	24-32	Above 15	24 hours	Under atmospheric pressure.
		32-40	10-15	24 hours	
		32-40	Above 15	3 hours	Under sustained vacuum (10-16.7kPa absolute pressure).
		40-48	10-15	3 hours	
Fumigation of buildings & similar structures: Quarantine and Pre-shipment (QPS*) or current approved Critical Use Exemption (CUE**) treatments ONLY.	Rodents	4	Above 4	5 hours	

* **QPS = Quarantine and Pre-shipment.** The *Ozone Protection and Synthetic Greenhouse Gas Management Regulations 1995* set out what are QPS uses.

Quarantine relates to fumigations performed by, or with the authorisation of, a Commonwealth, State or Territory authority to prevent the introduction, establishment or spread of a pest or disease in Australia, a State or a Territory.

Pre-shipment relates to fumigations carried out on a commodity, before it is exported, to meet the requirements of the importing country or a law of the Commonwealth.

** **CUE: Critical Use Exemption.** This is an approved non-QPS+ use of methyl bromide, granted by the Parties to the Montreal Protocol.

Exempt persons are listed on the Non-QPS Exemption List, posted on the Department of the Environment and Water Resources [DEW] website (www.environment.gov.au/atmosphere/ozone/publications/exemption-list.html). Exempt persons must not use quantities of methyl bromide in excess of their allocated amount, specified on the Non-QPS Exemption List, and are only permitted to use methyl bromide for the purpose for which the exemption was granted. Approved CUEs must be current in the year of methyl bromide use.

+: Methyl bromide is used for a Non-QPS application if it is used for an application that is not a QPS application and other than as a feedstock.

: **Record Keeping:** Anyone who uses methyl bromide must keep a record of the details of every fumigation

performed, for a period of five years, in an approved form. Inspectors appointed under the *Ozone Protection and Synthetic Greenhouse Gas Management Act 1989* may audit these records at any time.

: **Reporting:** Exemption holders are required to report all use under their exemption, within 14 days of the end of each 6 month period starting January and July, to Department of the Environment and Water Resources [DEW], in an approved form.

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION

THIS PRODUCT IS TOO HAZARDOUS TO BE RECOMMENDED FOR USE IN THE HOME GARDEN.

WITHHOLDING PERIOD:
DO NOT USE TREATED PRODUCE FOR HUMAN CONSUMPTION OR FOR STOCK FOOD WITHIN 3 DAYS OF COMPLETION OF TREATMENT, OR UNTIL PRODUCE HAS BEEN ADEQUATELY VENTILATED.

GENERAL INSTRUCTIONS:
Insecticide Resistance Warning

GROUP **8A** INSECTICIDE

For insect resistance management Tri-Brom Methyl Bromide Fumigant 1000 is a Group 8A insecticide.

Some naturally-occurring insect biotypes resistant to Tri-Brom Methyl Bromide Fumigant 1000 and other

Group 8A insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if Tri-Brom Methyl Bromide Fumigant 1000 or other Group 8A insecticides are used repeatedly. The effectiveness of Tri-Brom Methyl Bromide Fumigant 1000 on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, Trical Australia Pty Ltd accepts no liability for any losses that may result from the failure of Tri-Brom Methyl Bromide Fumigant 1000 to control resistant insects.

Tri-Brom Methyl Bromide Fumigant 1000 may be subject to specific resistance management strategies. For further information contact your local supplier, Trical Australia Pty Ltd representative or local agricultural department agronomist.

WARNING:
METHYL BROMIDE GAS IS COLOURLESS, ODOURLESS AND HIGHLY DANGEROUS. EXTREME CAUTION IS REQUIRED WHEN HANDLING.

CAUTION
Signs as below must be prominently shown at all approaches to fumigation site.
"DANGER – TOXIC GAS - KEEP AWAY"
Station a guard at the treatment site to prevent entry of unauthorised persons, children and animals during treatment and aeration period.
After fumigation, aerate structures well, until appropriate measuring device indicates fumigation area free of methyl bromide.
DO NOT drop, bump or drag cylinders.
DO NOT unload by rope-sling, hooks or tongs.
Keep cylinders upright in tamper-proof airy stores, away from dwellings, food and feedstuffs. Put out all pilot lights and glowing heating units.

APPLICATION:

SOIL FUMIGATION:
Plant growth has occasionally been unsatisfactory in soil treated with this product. Difficulty has been experienced with carnations, conifers, holly, multiflora roses, snapdragons and other ornamental plants and shrubs. Fumigation with METHYL BROMIDE may slow down soil nitrification. Certain ammonia-sensitive plants such as tomatoes, may suffer growth inhibition or stand reduction when placed in soil containing high ammonia-nitrogen. This hazard can be overcome by delaying planting for several months or by the application of nitrate from nitrogenous fertilizers.

GENERAL FUMIGATION:
Wear full-face respirator (with Methyl Bromide "O" type canister) complying with AS 1716 when releasing gas and when opening up structures for aeration. Use an appropriate measuring device for locating gas leaks from cylinders and outside structures. Use detection tubes or other monitoring devices inside structures.

VENTILATION & RE-ENTRY PERIOD:
After fumigation aerate structures well, until appropriate measuring device indicates fumigation area free of Methyl Bromide. DO NOT enter fumigation areas until Methyl Bromide free as indicated by measuring devices. If however treated area must be entered, a self-contained breathing suit or apparatus conforming to AS 1715 and AS 1716 MUST BE WORN.
Ensure treated soil or material is free from Methyl Bromide before seeding or using. Working the soil will help aeration.

PREVENTION OF RECONTAMINATION:
Prevent contamination of fumigated areas. If necessary to avoid flooding, trench around them or build wooden or earthen dams. Clean shoes carefully when walking from untreated to treated soil.

Do not use tools, transplants or crop remains that may carry pests from unfumigated areas.

PROTECTION OF LIVESTOCK, CROPS AND OTHER NON-TARGET PLANTS
DO NOT treat within 50 cm of roots of desirable vegetation.
DO NOT apply to areas adjacent to valuable crops.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT:
DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

STORAGE AND DISPOSAL:
Store in a locked room or place away from children, animals, food, feedstuffs, seeds and fertilisers. Store in the closed, original container in a cool, well-ventilated area. Do not store for prolonged periods in direct sunlight. Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

SAFETY DIRECTIONS:
Very dangerous. Product is poisonous if inhaled. Attacks eyes. May irritate the nose and throat and skin. Repeated minor exposure may have a cumulative poisoning effect. The liquid can cause burns. Avoid contact with eyes, skin and clothing. Do not inhale vapour. Protect eyes while using.
When using the product wear full facepiece respirator with canister specified for METHYL BROMIDE. Detailed instructions for safe use appear in state regulations. Thoroughly ventilate treated areas before reoccupying.
If clothing becomes contaminated with product, remove clothing immediately. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash respirator, and if rubber wash with detergent and warm water.

FIRST AID:
If poisoning occurs, contact a Doctor or Poisons Information Centre. Phone Australia 13 1126. If skin contact occurs, remove contaminated clothing and wash skin thoroughly. Remove from contaminated area. Apply artificial respiration if not breathing.

SDS:
Additional Information is listed in the Safety Data Sheet available from the supplier.

CONDITIONS OF SALE
Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label, when used in accordance with directions under normal conditions of use. No warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of the product contrary to label instructions or under off-label permits not endorsed by TriCal Australia Pty Ltd, or under abnormal conditions.

- EPA Est. 11220-CA-8
- EPA Est. 11220-MEX-2
- EPA Est. 87994-NC-3

Batch No.: _____

D.O.M.: _____