

SAFETY DATA SHEET



TRIBUNIL®

Date of Issue: September 2018

1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

Chemical name of active ingredient(s): Methabenzthiazuron (70%)

Recommended use: Selective herbicide for weed control in wheat, peas, onions, leeks, garlic, potatoes and asparagus.

Supplier: Etec Crop Solutions Ltd
PO Box 51584
Pakuranga 2140
Auckland

Emergency telephone number: 0800 Poison (0800 764 766) 24 Hours

2. HAZARDS IDENTIFICATION

Hazard Classification: HSNO Class
6.4A, 9.1A, 9.2A

Required identification Details: 6.4A: Harmful – may cause eye irritation.
9.1A: Toxic to aquatic organisms.
9.2A: Very toxic to the soil environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/preparation Information on hazardous ingredients

Common name	CAS No	%
Methabenzthiazuron	18691-97-9	70.0
Alkylarylsulphate	910078-64-7	2.0
Other ingredients determined not to be hazardous		28.0

4. FIRST-AID MEASURES

Description of necessary first aid measures: In case of poisoning by any exposure route contact the National Poisons and Hazardous Chemicals Information Centre, PO Box 913, Dunedin. Phone 0800 764 766, 0800 POISON.

Effects and symptoms

First-aid measures

Inhalation: Move person to fresh air and keep at rest until recovered. Apply artificial respiration if necessary.

Ingestion:	When swallowed accidentally, DO not induce vomiting, get medical help.
Skin contact:	If skin contact occurs remove contaminated clothing and wash affected areas thoroughly with soap and water.
Eye contact:	If product gets in eyes wash it out immediately with water.
Notes to a physician:	
Workplace facilities:	No specific facilities required. Standard emergency equipment must be available.
Hygiene Practices::	

5. FIRE-FIGHTING MEASURES

HAZCHEM Code:

Extinguishing media :	Water spray, foam, dry powder, carbon dioxide, sand.
Hazardous thermal (de)composition products:	In a fire, formation of hydrogen cyanide, carbon monoxide, sulphur dioxide and nitrogen oxides can be expected.
Protection of fire-fighters:	When fighting a major fire wear an air-supplied respirator. Wear protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Emergency Procedures: Ensure suitable personal protection during removal of spillages. This means wearing eye protection, chemically resistant gloves, boots and overalls.
Environmental precautions:	Washings must be prevented from entering surface water drains or waterways.
Procedure for spill:	<p>Keep all bystanders away. Wear goggles, half face-piece respirator with combined dust and vapour cartridge, full length clothing and PVC gloves.</p> <p>Contaminated material must be disposed of in accordance with all local authority requirements.</p> <ul style="list-style-type: none"> • For quantities up to 50kg of product bury in a secure approved landfill site. • For quantities greater than 50kg seek advice from the manufacturer (use emergency contact number) before attempting disposal. Contain in a secure location until disposal method is established. <p>Decontaminate the spill area with detergent and water and rinse</p>

Procedure for Disposal:

with the smallest volume of water practicable.

- a) Triple rinsing or preferably pressure rinsing containers with water. Add the rinsings to the spray tank. DO NOT dispose of undiluted chemicals on site.
- b) Burning of empty containers if circumstances, especially wind direction, permit is an alternative method. Do not burn unless in a suitable incinerator.
- c) Product or unused spray mix should be disposed of according to label instructions.

7. HANDLING AND STORAGE

Handling:

Avoid contact with skin and eyes and inhalation of concentrate or spray mist. When using, do not eat, drink or smoke. Wash face and hands before eating, drinking or smoking.

Storage:

Store in a cool, dry, well ventilated place and protect from sunlight. Keep from contact with fertilizers, insecticides, fungicides and seeds.

Packaging materials:

Store in original container, tightly closed, away from foodstuffs. This product may cause dust explosion, if water soluble bag is broken. Fine dust particles can form explosive mixtures with air.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Workplace Exposure Guidelines

Workplace exposure standards:

Kaolin
TWA: 10mg/m³ (as inspirable dust)
Silica, quartz
STEL: 0.2mg/m³
Use in well ventilated areas.

Application in the workplace:

**Exposure Standards outside:
The workplace:**

Engineering measures

Hierarchy of controls:

Use in well ventilated areas.

Exposure control measures:

No Hazard indication:

Ventilation specification:

Personal Protective Equipment

Detail specifications for equipment:

Respiratory system:

Where insufficient ventilation, use suitable respiratory

protection.

Skin and body:

Wear suitable protective clothing.

Hands:

Wear suitable protective gloves (e.g. Polyvinyl chloride – PVC). After contamination with product change the gloves immediately.

Eyes:

Chemical goggles/face protection.

General hygiene:

Avoid inhaling aerosols and vapours. Avoid contact with eyes and skin. Store work clothes and street clothes separately. Wash hand before breaks and at the end of work. Change contaminated protective clothing. Keep away from food, drinks and tobacco.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:

Powder

Colour:

Beige

Odour:

Slight characteristic

pH:

9.0 to 10.5 (1% in water)

Vapour Pressure:

5.9×10^{-6} Pa at 20°C (*methabenzthiazuron*)

Vapour Density:

NA

Boiling Point:

Freezing/melting point:

Solubility:

Disperses in water

Specific gravity or density:

Information for flammable material including:

- Lower and upper flammability limits
- Flashpoint (state test Method)

Auto – ignition Temperature:

Octanol/water partition coefficient:

Log Pow: = 2.64

The value relates to the active methabenzthiazuron.

Explosion properties:

Oxidation properties:

Bulk density:

340/292 mL/100g (loose/packed)

10. STABILITY AND REACTIVITY

Stability: Stable under standard conditions.

Conditions to avoid: Moisture, heat

Materials to avoid: Strong acids and alkalis, strong oxidizing agents.

Hazardous decomposition Products: No hazardous reactions

Hazardous polymerization:

Specific Data:

Hazardous reactions :

11. TOXICOLOGICAL INFORMATION

Acute toxicity – Oral : LD₅₀: >2500mg/kg

Acute toxicity - Dermal : LD₅₀: >5000mg/kg

Acute toxicity – Inhalation: LC₅₀: 5.12mg/L (dust) (4h)

Skin irritation : Non-irritating (rabbit)

Eye irritation: Eye irritant.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Fish LC₅₀: 29mg/L ; golden orfe (*Leuciscus melanotus*) (96h)
LC₅₀: 15.9mg/L ; Rainbow trout *Onchorhynchus mykiss*) (96h)

Daphnia magna LC₅₀: 30.6mg/L ; Water flea (*Daphnia magna*) (48h)

Algae Growth rate:
IC₅₀: 0.119mg/L green algae (*Scenedesmus subspicatus*) (96h)

13. DISPOSAL CONSIDERATIONS

Methods of disposal : Dispose of this product only by using according to the label, or at an approved landfill or other approved facility.

Triple rinse the empty container adding rinseate to the spray tank. Recycle if possible through the Agrecovery programme. If allowed under local authority, burn if circumstances, especially wind direction, permit; otherwise crush and bury in an approved local authority facility. Do not use container for any other purpose.

14. TRANSPORT INFORMATION

International transport regulations

International transport regulations:

UN number:

Land - Road/Railway

UN 3077, Environmentally Hazardous substance, Solid, N.O.S. (Methabenzthiazuron), Class 9, Packing Group III Hazchem 2Z.

Sea:

UN 3077, Environmentally Hazardous substance, Solid, N.O.S. (Methabenzthiazuron), Class 9, Packing Group III Hazchem 2Z. Marine Pollutant for Marine Transport Only.

Air:

UN 3077, Environmentally Hazardous substance, Solid, N.O.S. (Methabenzthiazuron), Class 9, Packing Group III Hazchem 2Z.

Proper shipping name :

Environmentally Hazardous substance, Solid, N.O.S. (Methabenzthiazuron)

15. REGULATORY INFORMATION

ACVM Registered Number:

P1343

See www.foodsafety.govt.nz for registration conditions.

HSNO Approval Code:

HSR000536

See www.epa.govt.nz for controls.

Approved Handlers required at time of use.

16. OTHER INFORMATION

Additional information:

Disclaimer

This Safety Data Sheet is based on the most recent information available. To the extent permitted by law, users of this information accept that neither the manufacturer, Etec Crop Solutions as distributor, nor any other distributor have any liability or responsibility whatsoever for any loss, damage or injury whether in contract or tort, whether direct, indirect or consequential howsoever arising in connection with the supply of these information.

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