

# SAFETY DATA SHEET

## TRIBUNIL®

Date of Issue: 30 September 2021

### 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:** UPL New Zealand Limited  
PO Box 51584, Pakuranga  
Auckland  
Phone 0800 100 325  
www.upl-ltd.com/nz

**Emergency telephone number:** 0800 CHEM CALL (0800 243 622) 24 Hours

### 2. HAZARDS IDENTIFICATION



**Hazard Classification:** 6.4A, 9.1A, 9.2A  
**Required identification Details:** Signal Word: **WARNING**  
Keep out of reach of Children.  
Read label before use.

Causes serious eye irritation.  
Very toxic to aquatic life.  
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
Alkylarylsulphate	910078-64-7	2
Other ingredients determined not to be hazardous		28

### 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).

#### General information:

##### First-aid measures

##### **Inhalation:**

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

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

## 5. FIRE-FIGHTING MEASURES

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

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions:</b>	<u>Emergency Procedures:</u> Ensure suitable personal protection during removal of spillages. This means wearing eye protection, chemically resistant gloves, boots and overalls.
<b>Environmental precautions:</b>	Washings must be prevented from entering surface water drains or waterway.
<b>Methods for cleaning up:</b>	Keep all bystanders away. Wear goggles, half face-piece respirator with combined dust and vapour cartridge, full length clothing and PVC gloves. Contaminated material must be disposed of in accordance with all local authority requirements. <ul style="list-style-type: none"> <li>• For quantities up to 50kg of product bury in a secure approved landfill site.</li> <li>• 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.</li> </ul> Decontaminate the spill area with detergent and water and rinse with the smallest volume of water practicable.
<b>Procedure for Disposal:</b>	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) Empty container may be buried in landfill in accordance with local regulations. c) Product or unused spray mix should be disposed of according to label instructions.

## 7. HANDLING AND STORAGE

<b>Handling:</b>	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.
<b>Storage:</b>	Store in a cool, dry, well ventilated place and protect from sunlight. Keep from contact with fertilizers, insecticides, fungicides and seeds.
<b>Packaging materials:</b>	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

### Exposure Standards:

Kaolin  
TWA: 10mg/m<sup>3</sup> (as inspirable dust)  
Silica, quartz  
STEL: 0.2mg/m<sup>3</sup>  
Use in well ventilated areas.

### Engineering measures

#### Exposure control measures:

Use in well ventilated areas.

### Personal Protective Equipment

#### Detail specifications for equipment:

##### Respiratory system:

Where insufficient ventilation, use suitable respiratory equipment.

##### 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: Colour, Odour.

Beige powder. Slight characteristic odour.

### pH:

9.0 to 10.5 (1% in water)

### Vapour Pressure:

5.9 x 10<sup>-6</sup> Pa at 20°C (methabenzthiazuron)

### Boiling Point:

### Flash Point:

### Freezing/melting point:

### Solubility:

Disperses in water

### Vapour /Density:

NA

### Autoignition:

### Information for flammable material:

### Viscosity:

### Octanol/water partition coefficient:

Log Pow: = 2.64

The value relates to the active methabenzthiazuron.

### Explosive Properties:

### Oxidation Properties:

### Bulk density:

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

---

## 10. STABILITY AND REACTIVITY

### Stability:

Stable under normal conditions of use.

### Conditions to avoid:

Moisture, heat.

### Materials to avoid:

Strong acids and alkalis, strong oxidizing agents.

### Hazardous Decomposition Products:

No hazardous reactions.

### Hazardous polymerization:

---

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity – Oral:

LD<sub>50</sub>: >2500mg/kg

### Acute toxicity - Dermal:

LD<sub>50</sub>: >5000mg/kg

### Acute toxicity – Inhalation:

LC<sub>50</sub>: 5.12mg/L (dust) (4h)

### Skin irritation:

Non-irritating (rabbit).

### Eye irritation:

Eye irritant

### Sensitization:

**Chronic toxicity**  
**Carcinogenicity:**

**Mutagenicity:**  
**Reproduction toxicity:**

---

**12. ECOLOGICAL INFORMATION**

**Aquatic** LC<sub>50</sub>: 29mg/L; golden orfe (*Leuciscus melanotus*) (96h)  
LC<sub>50</sub>: 15.9mg/L; Rainbow trout (*Onchorhynchus mykiss*) (96h)  
LC<sub>50</sub>: 30.6mg/L; Water flea (*Daphnia magna*) (48h)  
**Algae:** Growth rate:  
IC<sub>50</sub>: 0.119mg/L green algae (*Scenedesmus subspicatus*) (96h)  
**Bioaccumulation:**  
**Degradability:**  
**Mobility:**

---

**13. DISPOSAL CONSIDERATIONS**

**Methods of disposal:** Ideally, the product should be used for its intended purpose.  
Triple rinse containers; add rinsate to the spray tank. Recycle through the  
Agrecovery programme. If this is not possible, crush and bury in an approved  
local authority facility.



**Empty container precautions:** Avoid contamination of any water supply with chemical or empty container.

---

**14. TRANSPORT INFORMATION - International transport regulations**

**UN number:** UN3077  
**Hazchem:** 2Z  
**Class or Division:** 9  
**Subsidiary Class:**  
**Packing Group:** III  
**Marine Pollutant:** Yes  
**Proper shipping name:** Environmentally Hazardous substance, Solid, N.O.S.  
(Methabenzthiazuron)

**INTERNATIONAL AIR  
TRANSPORT ASSOCIATION  
(IATA):**

---

**15. REGULATORY INFORMATION**

**ACVM Registered Number:** P1343  
**HSNO Approval Code:** HSR000536  
Any person using this product must be  
suitably qualified.

---

**16. OTHER INFORMATION**

**Additional information:** **Original Issue Date:**  
**Revision Date:** 30 September 2021  
**Replaces:** ES483

**Disclaimer EXCLUSION OF LIABILITY: PLEASE READ**

*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, UPL New Zealand Limited 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.*

*Tribunil is a registered trademark of STEFES GmbH*