

TRUMP™

Date of Issue: March 2009

1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

Chemical name of active ingredient(s): Methabenzthiazuron**Recommended use:** HERBICIDE**Supplier:** Elliott Technologies Limited
PO Box 838
Pukekohe
Phone 0800 100 325**Emergency telephone number:** 0800 Poison (0800 764 766) 24 Hours

2. HAZARDS IDENTIFICATION

Hazard Classification: Toxic - 6.4A, 6.7B,
Ecotoxic - 9.1A, 9.2A
Approved Handler Applies**Required identification Details:** HARMFUL
KEEP OUT OF REACH OF CHILDREN
ECOTOXICHARMFUL - may cause eye irritation.
Suspected of causing cancer from repeated oral exposure at high doses.Very toxic to aquatic organisms.
Very toxic in soils - herbicide

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/preparation Information on hazardous ingredients

Common name	CAS No	%
Methabenzthiazuron	18691-97-9	74
Inert ingredients	-	26

4. FIRST-AID MEASURES

Description of necessary first aid measures:**Effects and symptoms** May be irritating eyes.**First-aid measures****Inhalation:**

Move person to fresh air. If person is not breathing call 111 or an ambulance, and then give artificial respiration; if by mouth to mouth use rescuer protection (pocket mask, etc).

Call National Poison Center 0800 Poison (0800 764 766) or Doctor for treatment advice.

Ingestion:

Call the National Poison Center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the Poison Center or Doctor. Never give anything by mouth to an unconscious person.

Skin contact:

May cause irritation to the skin. Wash affected skin areas thoroughly with soap and water. Remove and wash contaminated clothing thoroughly.

Eye contact:

May cause irritation to the eyes.
Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, and then continue rinsing eyes. Call National Poison Center or doctor for treatment advice.

Notes to a physician:

No specific antidote known. Treat symptomatically.

5. FIRE-FIGHTING MEASURES

HAZCHEM Code:

2Z

Extinguishing media :

Water fog, Carbon dioxide, dry chemical, foam.

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:

Remain upwind. Use water spray to cool containers exposed to fire. Wear full protective clothing and self contained breathing apparatus. Do not breath smoke or gases.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Wear protective clothing and personal protective equipment as described in section 8. Keep unprotected persons and animals out of the area.

Environmental precautions:

Keep material out of lakes, streams, ponds and sewer drains.

Methods for cleaning up:

Dike to confine spill and absorb with a inert materials absorbent such as clay, sand or soil. Vacuum, shovel or pump waste into a drum and label contents for disposal.

7. HANDLING AND STORAGE

Handling:

Avoid contact with eyes and skin. Keep away from sparks, open flame and direct sunlight.
Do not handle material near food, feed or drinking water.
Keep out of reach of children.

Storage:

Store away from sparks, heat and flames. Store in original container tightly closed and in a locked, dry, cool, well

ventilated area, away from feed, seeds and foodstuffs. Keep out of direct sunlight. Storage must be generally in accordance with NZS8409 Management of Agrichemicals. See the HAZNOTE for further information.

Packaging materials: Cardboard box with plastic bag inner.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Workplace Exposure Guidelines

Workplace exposure standards: Methabenzthiazuron – none established

**Exposure Standards outside:
The workplace:** None established

Engineering measures

Exposure control measures: Provide general and/or local ventilation to control airborne levels.

Personal Protective Equipment

Detail specifications for equipment:

Respiratory system: None required if airborne concentrations are maintained below the exposure limit See Section 8.

Skin and body: Wear long sleeved shirt, long pants.

Hands: Use gloves chemically resistant (eg: nitrile or neoprene) when prolonged or frequently repeated contact could occur.

Eyes: Use safety glasses if exposure possible.

General hygiene: Do not eat, drink or smoke when using. Wash hands and face before meals and after work.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Powder
Colour:	Beige powder
Odour:	Slight characteristic
pH:	9-10.5 (1% in water)
Vapour Pressure:	5.9×10^{-6} Pa at 20°C (methabenzthiazuron)
Vapour Density:	Not available
Boiling Point:	Not applicable
Freezing/melting point:	Not available
Solubility:	Disperses
Specific gravity or density:	Not available
Flashpoint:	Not applicable
Octanol/water partition coefficient:	Log P_{ow} = 2.64 (Methabenzthiazuron)
Explosion properties:	Not available
Oxidation properties:	Not available

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to avoid:	Moisture, heat
Materials to avoid:	Strong oxidising agents, acids and alkali.
Hazardous decomposition Products:	In a fire, formation of hydrogen cyanide, carbon monoxide, sulphur dioxide and nitrogen oxides can be expected.
Hazardous polymerization:	Polymerization will not occur
Specific Data:	
Hazardous reactions :	None expected

11. TOXICOLOGICAL INFORMATION

Acute toxicity – Oral :	LD ₅₀ >2,500 mg/kg (rat) (a.i)
Acute toxicity - Dermal :	LD ₅₀ >5000 mg/kg (rat) (a.i)
Acute toxicity – Inhalation:	LC ₅₀ >5.12 mg/l air (dust) (rat) (4 hours) (a.i.)
Skin irritation :	Non irritating (rabbit)
Eye irritation:	Non irritating (rabbit)
Sensitization :	No data
Chronic toxicity	
Carcinogenicity:	Methabenzthiazuron is not listed by The US National toxicology Program or the International Agency for Research on cancer as a carcinogen.
Mutagenicity:	Tests with Methabenzthiazuron showed it was not mutagenic.
Reproduction toxicity:	Does not affect reproduction.
Other information :	

12. ECOLOGICAL INFORMATION

Ecotoxicity	LC ₅₀ = 29 mg/L (Golden Orfe)
Fish	LC ₅₀ = 15.9 mg/L ,(Rainbow Trout)
Earthworms	Not available
Bees	Not available
Birds	Not available
Mobility Soil	Not available
Water	Toxic in the aquatic environment.
Persistence/degradability Soil	Methabenzthiazuron is strongly adsorbed on soils and degrades slowly. Duration of residual activity is about 3 months. Methabenzthiazuron is unstable in strong acids and alkalis but has a DT ₅₀ greater than 1 year at pH 4-9 at 22°C. It is stable to direct photolysis.
Bioaccumulative potential :	Not available

13. DISPOSAL CONSIDERATIONS

Methods of disposal : Triple rinse container and add residue to spray tank. Burn if permitted and circumstances, especially wind direction permit, otherwise bury in landfill.

14. TRANSPORT INFORMATION - International transport regulations

UN number: 3077
Class or Division: 9
Packing Group: III
Marine Pollutant:
Proper shipping name : Environmentally Hazardous Substance, Solid, N.O.S
(Contains 70% methabenzthiazuron)
INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA):

15. REGULATORY INFORMATION

ACVM Registered Number: P4975
HSNO Approval Code: HSR000537

16. OTHER INFORMATION

Additional information: **Original Issue Date:** 22 December 2005
Revision Date: N/A
Replaces: N/A

EXCLUSION OF LIABILITY: PLEASE READ

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