

MATERIAL SAFETY DATA SHEET

Statement of Hazardous Nature:

Not hazardous according to criteria of Worksafe Australia

Company: Macspred Pty Ltd
ACN 011 029 495
Address: Lot 22 Kennedys Drive Delacombe, Ballarat VIC 3350
Telephone Number: (03) 5335 8522
Emergency Telephone Number: (03) 5335 8522

IDENTIFICATION

Product Name: MACSPRED EUCMIXä PREPLANT
WATER SOLUBLE HERBICIDE
Other names: None
UN Number: Not regulated
Dangerous Goods Class: None
Poison Schedule: S5
Manufacturer's Product Code: None
Use: Herbicide

Physical Description/Properties

Form: Water soluble powder
Colour: White
Odour: None
Melting point (°C): Not available
Boiling point (°C): Not applicable
Bulk Density: 1.0
Vapour Pressure: Not applicable

Other Properties

Chemical group: mixture sulfonylurea and uracil

Ingredients

Chemical entity	CAS number	Proportion
Terbacil	5902-51-2	88.0%
Sulfometuron methyl	74222-97-2	4.0%
Inerts		8.0%

HEALTH HAZARD INFORMATION

Health Effects No information available for the formulated product

Acute: Swallowed: Moderate to Low toxicity through this route
 Acute oral LD₅₀ rat: >5000 mg/kg (sulfometuron methyl)
 Acute oral LD₅₀ female rat: 934 mg/kg (terbacil)
 Acute oral LD₅₀ male rat: 1255 mg/kg (terbacil)

Eye: May cause irritation

Skin: Very Low toxicity through this route
 Acute dermal LD₅₀ rabbit >2,000 mg/kg (sulfometuron methyl)
 Acute oral LD₅₀ rabbit > 5,000 mg/kg (terbacil)
 Based on the active ingredients, this product would not be a skin irritant or sensitiser.

Inhaled: Low toxicity through this route. May cause irritation.

Chronic: None established for formulated product.

Terbacil:

In a two year rat feeding study the no observable effect level was 50ppm. Hepatocellular hypertrophy was transitory at 250ppm and persistent at the highest dose which was escalated step-wise from 2,500 to 10,000ppm during the study. Decrease body weight was also noted at 2,500 - 10,000 ppm. No evidence of compound related oncogenicity was observed.

In a 2 year mouse feeding study, the no-observable effect level was 50 ppm. Hepatocellular hypertrophy was noted in males at 1,250 ppm and in both males and females at the highest dose which was increased from 5,000 to 7,000 at week 54. An increased incidence of hyperplastic liver nodules was also noted in males at 5,000 - 7,500 ppm. No compound related oncogenic effects were observed.

In a 2-year dog feeding study the no observable effect level was 250 ppm; a slight increase in relative liver weight was noted at the highest dose which escalated stepwise from 2,500 to 10,000 ppm during the study. No adverse on rat reproduction or lactation performance was observed during a 3-generation, 6 litter study at 0, 50 and 250 ppm. No abnormal histopathology was noted on examination of the F3B litters at weaning.

In a rat dietary study at 0, 250, 1,250 and 5,000 ppm, terbacil was not teratogenic at any dose tested but produced embryotoxic effects at 1,250 and 5,000 ppm.

Human health effects of overexposure by eye contact may initially include eye irritation and discomfort, tearing or blurring of vision. Based on data from animal tests ingestion of high doses may cause abnormal liver function as detected by laboratory tests.

Sulfometuron methyl:

Chronic Toxicity

Oral feeding -

NOEL in rat (2 year) 50 ppm; not oncogenic

NOEL in dog 200 ppm; anaemia; haemolytic effect on erythrocytes at 1000ppm and 5000 ppm.

Reproduction

NOEL in rat 500 ppm (2-gen); decreased bodyweight and pup counts at 5000ppm.

First Aid

Swallowed:	If swallowed contact a doctor or Poisons Information Centre (Tel:131126).
Skin:	If skin contact occurs, remove contaminated clothing and wash affected skin with soap and water.
Eyes:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention.
Inhaled:	Remove to fresh air.

Advice to Doctor

No specific requirements. Treat symptomatically.
Antidote: None known

PRECAUTIONS FOR USE

Exposure Standards

None established for formulated product.

Ingredient	TWA mg/m ³
Terbacil AEL (Du Pont)	10 mg/m ³ (8 and 12 hour TWA)
Sulfometuron methyl AEL (Du Pont)	10 mg/m ³ (8 hour TWA)

Engineering Control

Use only with adequate ventilation.

Personal Protective Measures

Avoid contact with eyes and skin. When pouring granules into application equipment wear a dust mask and face shield or goggles. Wear protective goggles, rubber gloves, boots and overalls during handling and mixing. Avoid breathing dust.

Flammability

Fine dust dispersed in air (particularly in confined spaces) may ignite if exposed to high temperature ignition source.

SAFE HANDLING INFORMATION

Storage and Transport

Keep container tightly closed. Store in a cool and ventilated area away from foodstuffs. During storage keep from contact with fertilisers, other pesticides and seeds. Store in the closed original container in a well-ventilated area, as cool as possible but out of direct sunlight.

This product is not a dangerous good

Dangerous Goods / Hazardous Substances Regulation

This product is subject to the following regulations:

- Australia Code for the Transport of Dangerous Goods by Road and Rail
- State/Territory Storage of Dangerous Goods Regulations
- State/Territory Hazard Substances Regulations
- Standard for the Uniform Scheduling of Drugs and Poisons

Spills and Disposal

DO NOT contaminate streams, rivers or waterways with the chemical or used containers. Pick up bulk material by sweeping or other effective means and place into drums. Do not flush with water. Cleanup crew should wear rubber gloves, protective clothing, boots and eye goggles. Dispose of by burying in an approved landfill site.

Disposal

(1) After intended use:

Shake empty into application equipment. Destroy empty bags by puncturing or shredding them. Dispose of empty bags at a local authority landfill. If no landfill is available, bury the containers below 500 mm in a licensed/ approved disposal site. Empty containers and product should not be burnt.

(2) After spill or accident

Dispose of sealed containers at approved local waste disposal site.

Fire/Explosion Hazards

Dangerous decomposition or Combustion Products

None known

Thermal decomposition

Extinguish fire with foam and water spray. If area is heavily exposed to fire and if conditions permit let fire burn itself out since water may increase the contamination hazard. Fine dust dispersed in air (particularly in confined spaces) may ignite if exposed to high temperature ignition source.

Hazardous decomposition products

None known

Hazardous reactions

None known

Extinguishing Media

Extinguish fire with foam and water spray

OTHER INFORMATION

Information on ecological effects:

Terbacil: Slightly toxic to rainbow trout (LC₅₀ 46.2 mg/L) and *D. magna* (LC₅₀ 65 mg/L)

Practically non-toxic to birds and bees.

Sulfometuron methyl: Slightly toxic to fresh water fish - Rainbow trout and Bluegill Sunfish LC₅₀ > 12.5 mg/L.

Almost non-toxic to *D. magna*

Practically non-toxic to birds and bees.

ADDITIONAL INFORMATION (for non-emergency calls)

CONTACT POINT
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