

**MATERIAL SAFETY DATA SHEET**

**Statement of Hazardous Nature:**

Hazardous according to the criteria of NOHSC.

**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 FOREST MIX  
GRANULAR HERBICIDE  
**Correct Shipping Name:**  
**Other names:** None  
**UN Number:** Not regulated  
**Dangerous Goods Class:** NOT A DANGEROUS GOOD  
**Poison Schedule:** S5  
**Manufacturer's Product Code:** None  
**Use:** Herbicide

**Physical Description/Properties**

**Form:** Granules  
**Colour:** Beige  
**Odour:** None  
**Melting point (°C):** Not available  
**Boiling point (°C):** Not applicable  
**Bulk Density:** 1.12  
**Vapour Pressure:** Not applicable

**Other Properties**

**Solubility in water:** atrazine 0.06%, hexazinone 4.19%

**Ingredients**

Chemical entity	CAS number	Proportion
hexazinone	51235-04-2	5%
atrazine	1912-24-9	17%
Inerts		to 100%

## HEALTH HAZARD INFORMATION

### Health Effects

**Acute:** Swallowed: No LD<sub>50</sub> information is available for the formulated product.  
Details for the active constituents are as follows:  
Low toxicity through this route  
Acute oral LD<sub>50</sub> rat: 1690 mg/kg (hexazinone)  
Acute oral LD<sub>50</sub> rat: > 1869-3080 mg/kg (atrazine)

Eye: A severe eye irritant (due to hexazinone component). May cause conjunctivitis, mild to moderate corneal clouding and moderate iritis.

Skin: Low toxicity through this route:  
Acute dermal LD<sub>50</sub> > 5280 mg/kg (hexazinone)  
Acute oral LD<sub>50</sub> rabbit > 3100 mg/kg (atrazine)  
May cause skin irritation.

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

**Chronic:** None established for formulated product.

#### Hexazinone:

At high levels (1250 ppm active ingredient) dog studies show growth retardation and evidence of anaemia. No evidence of mutagenicity, teratogenicity or oncogenicity.

#### Atrazine:

Atrazine technical has been extensively tested in laboratory animals and in test tube systems. No evidence of mutagenic, teratogenic or reproductive effects was obtained. After chronic administration a slight increase in the evidence of mammary tumours was reported in one species (rat) one sex (female) and one strain (Sprague Dawley) at higher doses. The relevancy of these findings to humans is heavily doubted. Atrazine has been listed by IARC as a Class 2B suspected carcinogen (ie a possible human carcinogen).

### First Aid

Swallowed:	If swallowed, induce vomiting using IPECAC Syrup (APF) if available. 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:**

If swallowed, induce vomiting using IPECAC Syrup (APF) if available

**PRECAUTIONS FOR USE**

**Exposure Standards**

None established for formulated product.

Ingredient	TWA mg/m <sup>3</sup>
Atrazine	5 mg/m <sup>3</sup> (8 hour TWA)
Hexazinone	10 mg/m <sup>3</sup> (8 hour TWA)

**Engineering Control**

Use only with adequate ventilation.

**Personal Protective Measures**

Avoid contact with eyes and skin. Do not inhale dust. When using the product, wear elbow length PVC gloves and face shield or goggles. Repeated exposure may cause allergic disorders. Sensitive workers should wear protective clothing. If product in eyes wash out immediately with water.

**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**

**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. If spill area is on ground near trees or other valuable plants remove top 15cm of soil after initial cleanup. Should product contact soil apply activated charcoal. Activated charcoal will absorb but not completely neutralise the product. 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:

Slightly to moderately toxic to fish.

Atrazine has demonstrated the potential to contaminate ground and surface water. To minimise the entry to ground and surface water the following recommendations are made:

Do not use in irrigation channels or in drains where water is discharged onto pasture land or crop land.

Do not empty equipment in above situations.

Do not apply within 60m of a recognised waterway or dam.

Do not load or apply within 20m of any well, sink hole, intermittent or perennial stream or river.

## ADDITIONAL INFORMATION (for non-emergency calls)

**CONTACT POINT**  
**MACSPRED PTY LTD**  
**Stephen Stewart**  
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