

# GENEREX (AUST.) PTY LTD

## MATERIAL SAFETY DATA SHEET

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### **I IDENTIFICATION**

Product Name: Generex Metsulfuron Herbicide  
Hazchem Code: Not applicable  
UN No: N/A  
Dangerous Goods Class: N/A  
Packaging Group: N/A  
Poison Schedule: UNSCH (Fed)  
Use: A dry flowable herbicide for the control of certain broadleaf weeds in Winter Cereal Crops, and certain brush and plant species in Native Pasture, Commercial, Industrial areas and Rights of Way.

### **Physical appearance & Properties:**

Appearance & Odour: Off-white, odourless  
Specific gravity: 1.47  
Form: Solid (mini granules)  
Chemical Family: Sulfonylurea

### **Ingredients:**

<u>Chemical Entity</u>	<u>CAS No:</u>	<u>Proportion %</u>
Metsulfuron Methyl	74223-64-6	60
Inert Ingredients		40

### **II HEALTH HAZARD DATA**

Not hazardous according to criteria of Worksafe Australia.

### **Acute Effects:**

Eye: Irritation (rabbit): Mild to moderate corneal irritation in unwashed eyes and mild conjunctival irritation in washed eyes. All effects reversed in 7 days.  
Skin: Slight to moderately toxic by contact. Not a primary skin irritant, or a sensitiser.  
Inhalation: May irritate the throat.  
Swallowing: Very low toxicity by ingestion.

Other Health Effects: No data is available to confidently predict the effects of overexposure to humans. However based on animal studies, overexposure by inhalation, ingestion, or skin or eye contact may initially include eye irritation with discomfort, tearing, or blurring of vision, or

irritation of the upper respiratory passages. Repeated dermal exposure may lead to skin irritation with discomfort or rash.

### **Chronic effects:**

No oncogenic effects observed in 18 month mouse and 2 year rat feeding studies. Slightly decreased parental body weight at 5,000 ppm. No effect on rat reproduction or lactation at any dose tested (Highest does tested 5,000 ppm). Non-mutagenic in the Ames bacterial assay, Chinese Hamster ovary Call assay, or DNA rat liver repair assay; positive in the vitro Chinese Hamster Ovary Cell cytogenetic assay but negative in the vitro rat bone marrow cytogenetic assay. Not teratogenic or embryo-foetal toxic by gavage in rates (highest dose tested, 1,000 mg/kg) or by gavage in rabbits (highest dose tested 700mg/kg).

### **First Aid:**

Eye: In cases of contact, immediately flush eyes with plenty of water for at least 15 minutes. Seek Medical attention.

Skin: Flush with water after excessive contact.

Inhaled: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

Swallowed: No specific intervention is indicated as the compound is not likely to be hazardous by ingestion. However, seek Medical attention if necessary.

Advice to Doctor: No specific requirements. Treat symptomatically.

### **Toxicological Data:**

Acute Oral LD50 (rat): >5,000 mg/kg

Acute Demal LD50 (rabbit): >2,000 mg/kg

Inhalation LC50 (rat): >5mg/L air

LC50 (96hrs): for rainbow trout and bluegill sunfish >150ppm

Oral LD50 (mallard duck): >2,510mg/kg;

Oral LD50 (bobwhite quail): >5,620ppm

## **III PRECAUTIONS FOR USE**

### **Exposure Standards:**

None established for formulated product.

Metsulfuron methyl: AEL 10mg/m<sup>3</sup> (8 and 12 hr TWA)

### **Engineering Controls:**

Use only with adequate ventilation.

### **Personal Protection:**

Avoid skin and eye contact. Avoid inhaling the vapour, or spray mist. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

**Flammability:**

Not a fire and explosion hazard. Flammable Limits in Air, % by volume: LEL 0.135 g/L

**Environment:**

DO NOT contaminate any body of water by spraying, cleaning of equipment or disposal of waste.

**IV SAFE HANDLING INFORMATION****Storage and Transport:**

Store in the closed, original container in a dry, well ventilated area, as cool as possible out of direct sunlight. Keep from contact with fertilisers, fungicides and seeds.

**Spills and Disposal:**

Review FIRE AND EXPLOSION HAZARDS and SAFETY PRECAUTIONS before proceeding with cleanup. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean up. Dyke spill ... prevent liquid from entering the sewers, waterways, or low areas. Shovel or sweep up. DO NOT flush with water. If spill area is on ground near trees or other valuable plants remove the top 50mm of soil after initial cleanup. Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State and local regulations.

**Reactive Data:**

Stable at normal temperatures and storage conditions. Decomposition will not occur. Polymerisation will not occur.

**Fire/Explosion Hazard:**

Flammable Limit in Air, % by volume: LEL 0.135g/L

Not a fire and explosion hazard. Like most organic powders, or crystals, under severe dusting conditions, this material may form explosive mixtures in air. On small fire use dry chemical, CO<sub>2</sub>, foam or 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.

**V OTHER INFORMATION****Contact Points:**

Police and Fire Brigade:	Dial 000
National Poisons Information Centre:	Dial 13 1126 (from anywhere in Australia)
Generex (Aust) Pty Ltd	Dial (02) 9955 7799
	Fax (02) 9955 6599

**Please read all labels carefully before using this product.**