

Material Safety Data Sheet

Sipcam Pacific Australia Pty. Ltd.

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ESTEEM HERBICIDE

Not classified as hazardous according to the criteria of Worksafe Australia.

IDENTIFICATION

UN No:	D.G. Class:	N/A	Pack:	N/A	
Hazchem:	Not Applicable	Sub. Risk:	N/A	Poisons:	N/A
Spec.EPG:	Not Applicable				

Tradenames:	Esteem Herbicide
Manufacturer:	Sipcam Pacific Australia Pty. Ltd
Supplier:	Sipcam Pacific Australia Pty. Ltd.

Use:

For the control of certain broadleaf weeds in Wheat, Barley, Triticale, & Cereal Rye

Synonyms:

No other synonyms

Ingredients:

Chemical Entity	CAS No.	Proportion
Metsulfuron methyl	74223-64-6	60% w/w
Inert Ingredients		40% w/w

Physical Description/Properties

Appearance:	Off-white, Solid, Dry Flowable granule
Odour:	Odourless
Chemical Family:	Sulfonylurea
Bulk density:	0.68g/cc
Specific Gravity:	1.47

HEALTH HAZARD INFORMATION

Health Effects

Swallowed:

Very low toxicity by ingestion.

Skin:

Harmful if absorbed through skin. Slightly to moderately toxic by contact. Not a primary skin irritant, or a sensitizer.

Eye:

In rabbits, mild to moderate corneal irritation in unwashed eyes and mild conjunctival irritation in washed eyes. All effects reversed in 7 days.

Inhaled:

May irritate throat.

Chronic Effects:

No oncogenic effects observed in 18 month mouse and 2 year rat feeding studies. Slightly decreased parental body weight at 5000 ppm. No effect on rat reproduction or lactation at any dose tested (highest dose tested 5000 ppm). Non mutagenic in the Ames bacterial assay, Chinese Hamster Ovary Cell assay, or DNA rat liver repair assay; positive in the vitro Chinese Hamster Ovary Cell cytogenic assay but negative in the vitro rat bone marrow cytogenic assay. Not teratogenic or embryo fetal toxic by gavage in rats (highest dose tested 1000 mg/kg) or by gavage in rabbits (highest dose tested 700mg/kg).

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.

First Aid:

Swallowed:

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

Eye:

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

Skin:

In case of contact, immediately wash skin with soap and plenty of water. Wash contaminated clothing before reuse.

Inhaled:

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

Advice to Doctor:

No specific requirements. Treat symptomatically.

Toxicity Data:

Acute Oral LD₅₀ (rat): >5000mg/kg

Acute Dermal LD₅₀ (rabbit): >2000mg/kg

Inhalation LC₅₀ (rat): >5 mg/L air.

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

Oral LD₅₀ (mallard duck): >2510 mg/kg; Oral LD₅₀ (bobwhite quail): > 5620 ppm

PRECAUTIONS FOR USE**Exposure Standards:**

None established for formulated product.

Metsulfuron methyl: 10 mg/m³

Engineering Controls:

Use in a well ventilated area only.

Personal Protection:

May irritate eyes, nose throat and skin. Avoid contact with eyes and skin.

DO NOT inhale dust 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 or explosion hazard.

Flammable limits in air, % by volume: LEL 0.135 g/L

Environment:

DO NOT contaminate streams, rivers or waterways with chemical, used containers, cleaning of equipment or disposal of waste.

Other Use Precautions:

To be strictly in accordance with the label instructions.

SAFE HANDLING INFORMATION**Storage and Transport:**

Keep out of reach of children.

After handling and before eating, drinking or smoking wash hands, arms and face thoroughly with soap and water.

Store in the closed original container in a dry, well ventilated area, as cool as possible, out of direct sunlight.

Keep from contact with fertilizers

Avoid contact with the eyes, skin and clothing or inhalation of the product.

Packaging and Labeling:

To be used strictly in accordance with the label instructions.

Spills and Disposal:

Review FIRE and EXPLOSION HAZARDS and SAFETY PRECAUTIONS before proceeding with cleanup. Use appropriate personal protective equipment during cleanup. 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 50 mm of soil after initial cleanup. Treatment, storage, transportation, and disposal must be in accordance with

Federal, State and local regulations. Triple rinse the container, then puncture and dispose of in sanitary landfill, or by approved methods. Do not burn empty containers or product.

Reactivity Data:

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

Fire / Explosion Hazard:

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, CO₂, 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.

OTHER INFORMATION**Technical Data:**

Contact Sipcam Pacific Australia Pty Ltd.

EMERGENCY CONTACTS

Police or Fire Brigade: Dial 000

National Emergency Response Service: Dial 1800 033 111

Warning:

While every effort has been made to ensure that the information contained in this Material Safety Data Sheet is complete and accurate at the time of publication, no warranty is given as to the completeness or accuracy of that information. All users must accept responsibility for particular application of the product(s) to which this Material Safety Data Sheet relates.

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