

# SAFETY DATA SHEET



## PCT International Pty Ltd

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Classified as non-hazardous according to criteria of NOHSC

### 1. IDENTIFICATION OF THE PRODUCT AND THE MANUFACTURER

**Product Name:** SureFire METSULFURON METHYL herbicide  
**Product Code:** none  
**Product Use:** for control of brush & broadleaf weeds as per the label.  
**Poison Schedule:** S6  
**Supplier:** PCT International Pty Ltd  
**ABN:** 44 101 170 923  
**Street Address:** Unit 5 / 74 Murdoch Circuit, ACACIA RIDGE QLD 4110  
**Telephone:** + 61 7 3711 7022  
**Facsimile:** + 61 7 3711 7055

**Emergency telephone No:** **1800 630 877** (all hours)

**Other Information:** This SDS describes, to the best of our knowledge, the properties of the concentrated product. The physical properties and some of the assessments do not apply to the properties of the product once it has been diluted for application. Acute health effects of the diluted product are likely to be much less severe.

**MSDS Creation Date:** 23<sup>rd</sup> January, 2014

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

**Chemical Formulation Type:** Granular

Ingredients	CAS Number	Concentration (g/Kg)
Metsulfuron methyl	74223-64-6	600g/Kg
Balance not considered to be hazardous		to 100%

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## 3. HAZARDS IDENTIFICATION

**Emergency Overview** non-hazardous substance; non-dangerous goods

**Physical Appearance**

**Form:** Granular  
**Colour:** off-white  
**Odour:** nil

**Potential Health Effects**

Causes eye and skin irritation.

**RISK PHRASES:**

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**SAFETY PHRASES:**

S57 Use appropriate container to avoid environmental contamination.  
S60 This material and its container must be disposed of as hazardous waste.

## 4. FIRST AID MEASURES

**Eyes:** Flush eye(s) for 15 minutes or more- If irritation persists consult a doctor (preferably an eye specialist) and show this SDS.  
**Skin:** Carefully remove any contaminated clothing, including footwear, and wash affected areas with plenty of soap and water.  
**Ingestion:** Rinse mouth and then drink plenty of water. Do not induce vomiting. If swallowed seek medical advice and show this SDS.  
**Inhalation:** Remove affected person from site of exposure to fresh air until recovered. If not breathing, give artificial respiration. If breathing is difficult give oxygen. Seek medical attention if symptoms persist.  
**First Aid Facilities:** If poisoning occurs, contact a doctor or Poisons Information Centre on **13 11 26** (Australia).  
**General Advice:** Remove soiled or soaked clothing immediately.  
**Information for doctor:** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Flash Point:** not determined  
**Autoignition Temperature:** Not applicable.  
**Upper Explosion Limits:** Not determined. Under severe dust conditions, this material may form an explosive mixture in air.  
**Lower Explosion Limits:** Not determined.  
**Suitable Extinguishing Media:** Water spray, carbon dioxide, BCF, foam or dry chemical.  
**By-products in case of Fire:** Oxides of Carbon, Phosphorus & Sulphur, and other toxic substances may be formed.  
**Further Information:** Keep unnecessary persons away from the area. If safe to do so, remove intact containers, otherwise use water spray to cool them. Collect contaminated firefighting water separately, by bunding the area with sand or earth. Fire control water must not be discharged into drains.

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## Special Protective

**Equipment for Firefighters:** As in any fire, water, self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective clothing.

## 6. ACCIDENTAL RELEASE MEASURES

### Methods for Cleaning Up/ Taking Up:

Spills: Dealing with spills has the potential to increase the risk of personal exposure- during such operations, ensure that protective clothing is worn as detailed below. Avoid contact with spilled material or contaminated surfaces. Keep people and animals away. Prevent spillage from entering drains, sewers or watercourses. If contamination thereof is unavoidable, warn the local water authority. Spills should be either scooped up, vacuumed up or carefully swept up, & when complete, this material then be placed in sealable, labeled, drums for safe disposal in an approved landfill, and in accordance with the requirements of local or State Waste Management Authorities. Alternatively, bury under at least 500<sup>mm</sup> of soil in an area away from crops, pastures, homes or water sources. To decontaminate spill area, tools and equipment, wash with a suitable solution, e.g. organic solvent, detergent, bleach or caustic, and add this material to the drums of waste already collected. Label all contents. Do not burn empty containers or product.

## 7. HANDLING AND STORAGE

### Advice on safe

**Handling:** Keep out of reach of children. Avoid contact with eyes and skin. Wash hands after use, and before smoking or eating / drinking. Wash protective gear and clothing after each day's use.

### Advice on protection against fire and explosion:

Not flammable- no special measures required. Keep away from heat and sources of ignition since dust may form an explosive mixture in air.

**Storage information:** Keep product in the **original container**, tightly closed, in a cool, well ventilated area. Do not store for prolonged periods in direct sunlight.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### General protective Measures:

Avoid contact with eyes and skin  
Do not inhale dusts.

### Hygiene Measures:

No smoking, eating or drinking allowed when using this product.  
Wash hands before breaks and at end of work shift.  
Protective ointment is recommended.

### Respiratory Protection:

none required with normal use of this product.

### Hand Protection:

Elbow length PVC gloves should be worn when using this product.

### Eye Protection:

Safety goggles and/or face shield is recommended when using this product.

### Protective clothing:

Cotton overalls buttoned to the neck and wrist, and a washable hat, are required when using this product.

**Engineering Controls:** No specific recommendations since product is intended for open-air applications.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** off-white fine granules

**Odour:** none.

**Solubility in Water:** Disperses in water.

**Specific Gravity (H<sub>2</sub>O=1):** not available

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pH Value: not available

## 10. STABILITY AND REACTIVITY

**Conditions to avoid:** None with proper storage and handling, other than extreme heat. Avoid contact with any oxidizing agents.

**Decomposition:** Not measured.

**Hazardous reactions:** No hazardous reactions with proper storage and handling

**Hazardous Polymerization:** Unlikely to occur.

**Stability:** Stable under normal conditions of storage and use.

**Hazardous decomposition products:** None with proper storage and handling.

## 11. TOXICOLOGICAL INFORMATION

**Acute Toxicity - Oral:** LD<sub>50</sub> (rat) >5000 mg/Kg approx.

**Acute Toxicity - Inhalation:** LC<sub>50</sub> (rat – 4H) >5.3mg/L

**Acute Toxicity - Dermal:** LD<sub>50</sub> (rabbit) >2000mg/Kg

**Eye Irritation:** (Species - rabbit) nil irritant

**Skin Irritation:** (Species - rabbit) nil irritant

**Skin Sensitisation:** (Species - guinea pig) non-sensitising

**Note:** harmful by inhalation and in contact with skin

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity Effects:**

**Acute Toxicity – Fish:** LC<sub>50</sub> for rainbow trout is 150mg/L.

**Acute Toxicity - Daphniae:** LC<sub>50</sub> for daphnia magna – >150mg/L

**Acute Toxicity – Bees:** LD<sub>50</sub> >25 ug/bee

**Acute Toxicity – Birds:** Birds: Acute oral LD<sub>50</sub> for mallard ducks >5000 mg/kg  
Eight-day dietary LC<sub>50</sub> for mallard ducks and bobwhite quail: >5620 mg/kg

### Ecological notes:

Ingredient	Persistence: Water/Soil	Bioaccumulation	Mobility
metsulfuron methyl	high	low	med
kaolin	low	low	high
silica precipitated, crystalline free	low	low	high

## 13. DISPOSAL CONSIDERATIONS

**ALWAYS DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.**

**Product Disposal:** In accordance with local authority regulations, take to special waste incineration plant.

**Container Disposal:** Dispose of empty, used containers by triple rinsing, or preferably pressure rinsing. Add the rinsate to the spray tank or dispose of the rinsate in a disposal pit away from desirable plants and their roots and from watercourses. DO NOT dispose of undiluted chemicals on site. If

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recycling, replace cap and return cleaned containers to a recycler or designated collection point. If not recycling, break, crush or puncture empty containers and bury in a local authority landfill. If no landfill available, bury the containers at least 500<sup>mm</sup> deep in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

## 14. TRANSPORT INFORMATION

**Storage and Transport:** Considered non – dangerous goods for transport by the Australian Code for the Transport of Dangerous Goods by Road and Rail.

**Sea and Air Transport:** Classified as dangerous goods for sea / air transport by IMDG Code & IATA Dangerous Goods Regulation.



**UN No: 3077 Class: 9 Packing Group: III**

**Proper Shipping Name:**  
Environmentally Hazardous Substance, Solid, NOS  
(Metsulfuron Methyl) Marine Pollutant

## 15. REGULATORY INFORMATION

**APVMA Approval No:** 68878 / 59272

**Poisons Schedule:** S5

**Packaging &**

**Labeling:** READ SAFETY DIRECTIONS BEFORE OPENING OR USING

**Hazard Category**

**AICS (Australia):** Listed on the Australian Inventory of Chemical Substances.

## 16. OTHER INFORMATION

**Contact Person/Point:** Mr David Pearson Phone: (07) 3711 7022

**This SDS contains only safety-related information. For other data, see product literature.**

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...End of SDS...