

# SAFETY DATA SHEET



## PCT International Pty Ltd

ABN 44 101 170 923

Unit 5 / 74 Murdoch Circuit, ACACIA RIDGE QLD 4110

[sales@pct.au.com](mailto:sales@pct.au.com)

Ph: 61 7 3711 7022

Fax: 61 7 3711 7055

# RAIZON

## HERBICIDE

Classified as hazardous according to criteria of SWA.

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

**Product Name:** SureFire RAIZON herbicide  
**Product Code:** none  
**Product Use:** For control of a range of environmental and noxious woody and herbaceous weeds.  
**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> November, 2014

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

**Chemical Formulation Type:** Liquid solution

Ingredients	CAS Number	Concentration (g/L)
Triclopyr BUTOXYETHYL ESTER	057213-69-1	300g/L
Picloram HEXYLOXYPROPYLAMINE SALT	006753-47-5	100g/L
Balance not considered to be hazardous		58.7%w/w

# SAFETY DATA SHEET

## 3. HAZARDS IDENTIFICATION

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

**Physical Appearance**

**Form:** Liquid  
**Colour:** dark brown – black liquid  
**Odour:** slight characteristic pungent odour

**Potential Health Effects**

**RISK PHRASES:**

R20-21-22: Harmful by inhalation, in contact with the skin and if swallowed.

R36-37-38: Irritating to eyes, respiratory system & skin.

**SAFETY PHRASES:**

S2: Keep out of the reach of children.

S7-9: Keep container tightly closed and in a well-ventilated place.

S23: Do not breathe spray.

S24-25: Avoid contact with skin and eyes.

S36-37-39: Wear suitable protective clothing, gloves and eye - face protection.

S62: If swallowed, do not induce vomiting: seek medical advice immediately and show the container or label.

S20-21: When using do not eat, drink or smoke.

## 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. There is no specific antidote for this product. Swallowing *may* result in burns and/or ulceration of the mouth, stomach and lower gastrointestinal tract with subsequent stricture.

## 5. FIRE-FIGHTING MEASURES

**Flash Point:** 82°C

**Autoignition Temperature:** Not applicable.

**Upper Explosion Limits:** Not applicable.

**Lower Explosion Limits:** Not applicable.

**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

# SAFETY DATA SHEET

area with sand or earth. Fire control water must not be discharged into drains.

## 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 contained and absorbed with soil, sand, sawdust, clay, cat litter or other similar material, and once absorption is 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.

**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. Optimal storage temperature of product is within the range of 5°C – 35°C.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### General protective Measures:

Avoid contact with eyes and skin  
Do not inhale mists.

### 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:

In case of formation of mists or vapours, an organic vapour cartridge respirator (properly fitting half-face or full-face) should be used.

### 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:

Clear to brown - black colored liquid

### Odour:

slight characteristic pungent odour.

# SAFETY DATA SHEET

**Solubility in Water:** Emulsifies with water.  
**Specific Gravity (H<sub>2</sub>O=1):** approx. 1.124 @ 20°C  
**pH Value:** 7.0 – 7.9  
**Vapour Pressure:** non-volatile  
**Melting Temperature:** not measured  
**Boiling temperature:** 190°C approx.  
**Viscosity, dynamic:** not measured

## 10. STABILITY AND REACTIVITY

**Conditions to avoid:** None with proper storage and handling, other than extreme heat. Avoid contact with any oxidizing agents, i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result..

**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) 8200 mg/Kg approx.(Picloram)  
LD<sub>50</sub> (rat) 630 – 729 mg/Kg (Triclopyr)

**Acute Toxicity - Inhalation:** LC<sub>50</sub> (rat) no data available

**Acute Toxicity - Dermal:** LD<sub>50</sub> (rabbit) >4000mg/Kg (Picloram & Triclopyr)

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

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

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

**Note:** harmful by inhalation and in contact with skin  
Irritant to skin  
The toxicological data refer to the undiluted 100% formulated product.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity Effects:**

**Acute Toxicity – Fish:** LC<sub>50</sub> for rainbow trout is 711mg/L.

**Acute Toxicity - Daphniae:** LC<sub>50</sub> for daphnia magna – 560 - 1000mg/L

**Acute Toxicity – Bees:** non-toxic to bees

**Acute Toxicity – Birds:** LD<sub>50</sub> for Japanese Quail is >2000 - 5000 mg a.i./Kg (Picloram)  
LC<sub>50</sub> for Japanese Quail is 3278 ppm (Triclopyr)

**Further ecological information:**

**Ecological notes:** This product is classified as immobile in soil and is not expected to leach. Do not discharge product unmonitored into the environment. The product is readily soluble in water and is stable. It is rapidly degraded in surface levels of soils and in water. The product is considered to be biodegradable. The potential for groundwater contamination is minimal. The ecotoxicological data refer to the undiluted 100% product.

# SAFETY DATA SHEET

## 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 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 №: 3082 Class: 9 Packing Group: III Hazchem: 2X**

**Proper Shipping Name:**

Environmentally Hazardous Substance, Liquid, NOS  
(Picloram & Triclopyr) Marine Pollutant

## 15. REGULATORY INFORMATION

**APVMA Approval №:** 70360 / 63274

**Poisons Schedule:** S6

**Packaging &**

**Labeling:**

KEEP OUT OF REACH OF CHILDREN

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.**

Any advice, recommendation, information, assistance or service provided by PCT International Pty Ltd in relation to the goods supplied by it or their use or application is given in good faith and believed to be appropriate and reliable. However, it is provided with a disclaimer for any liability or responsibility on the part of PCT International Pty Ltd. The customer accepts all risk and responsibility for use of the goods alone, or in combination with other products. All warranties, guarantees and conditions, other than those expressly stated, and when implied by statute, common law, custom of the trade or otherwise, are to the extent that the law permits, expressly excluded.

...End of SDS...