



CHEMICAL CO. PTY.LTD.

## OXALIS (SOUR SOB) KILLER Material Safety Data Sheet

Date of Issue: 15/01/2003

Hazardous according to the Worksafe Australia Criteria

### IDENTIFICATION OF PRODUCT AND COMPANY

**Product name:** AGSPRAY OXALIS (SOUR SOB) KILLER

**Supplier:** AGSPRAY CHEMICAL COMPANY PTY. LTD.

**A.C.N.:** 005-329-573

**A.B.N.:** 92 005 329 573

**Address:** Unit 3, 44 Fitzgerald Road  
Laverton North, Vic 3026

**Telephone:** (03) 9369 8198

**Facsimile:** (03) 9369 6216

**Website:** [www.agspray.net.au](http://www.agspray.net.au)

**Emergency Telephone No. (24 Hours):** 1800 033 111

### COMPOSITION/INFORMATION ON INGREDIENTS

**Recommended Use:** For control of grasses, broad-leafed weeds, Oxalis (Sour Sob) & Nut Grasses.

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Proportion</u>
Amitrole (3-amino-1,2,4-triazole)	61-82-5	250g/L
Ammonium thiocyanate	1762-95-4	220g/L
Water		To 100%

### HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

Immediate Concerns:

- Causes Eye Irritation
- Avoid Contact with Eyes or Clothing
- Wash Thoroughly with Soap and Water after Handling
- Keep Out of Reach of Children

## POTENTIAL HEALTH EFFECTS (ACUTE)

- Eyes:** Exposure to the concentrate in eyes will cause irritation.
- Skin:** The concentrated product may cause slight irritation on single contact. However, repeated or prolonged contact with the concentrate may cause skin eruptions due to the ammonium thiocyanate in the formulation. The acute dermal toxicity of amitrole is very low and is not expected to be absorbed in harmful amounts if contact occurs.
- Ingestion:** The concentrate is harmful if swallowed. Single dose acute toxicity LD<sub>50</sub> for this formulation is low in toxicity. Amounts swallowed incidental to normal handling practices are not likely to cause injury, but swallowing of larger amounts will cause injury mainly due to the ammonium thiocyanate present. Human effects due to ingestion of large amounts of ammonium thiocyanate are nausea, vomiting, diarrhoea, convulsions and possibly skin rashes or eruptions.
- Inhalation:** Overexposure to spray mist may result in minor irritation of the upper respiratory tract.

## FIRST AID MEASURES

- Eyes:** Irrigate with copious quantities of water. Seek medical attention if irritation persists.
- Skin:** Wash contaminated skin with soap and plenty of water. Remove contaminated clothing and wash before re-use.
- Ingestion:** Contact Poison Information Centre or seek immediate medical assistance. Never give fluids or induce vomiting to a person who is unconscious or having convulsions. If swallowed, and if more than 15 minutes from a hospital, induce vomiting preferably using Ipecac Syrup ARF.
- Inhalation:** If respiratory discomfort or irritation occurs, move person to fresh air. Seek medical assistance if discomfort or irritation persists.
- Note:** If poisoning occurs, immediately contact a doctor or Poisons Information Centre (telephone 13 11 26), and follow the advice given. Show this Material Safety Data Sheet to a doctor.

## FIRE FIGHTING MEASURES

- Specific Hazards:** Non combustible Liquid.
- Suitable Extinguishing Media:** Water spray, foam, CO<sub>2</sub> or Dry Chemical.
- Fire Fighting Further Advice:** Not combustible. Do not enter any enclosed confined fire space without proper protective equipment.

## ACCIDENTAL RELEASE MEASURES

**Small Spills:** Soak up spilled material with paper towels and dispose in rubbish bin.

**Large Spills:** Contain – prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect contaminated absorbent and place in plastic-lined drums for disposal. Wash area down with detergent and plenty of water. If contamination of crops or waterways has occurred advise emergency services or State Department of Agriculture.

## HANDLING AND STORAGE

Store product only in original container in a secured storage area.

## EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Measures:** No special ventilation is necessary.

**Personal Protection:** When handling product, wear safety glasses and protective gloves. Wash hands and contaminated skin thoroughly after handling.

## PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Liquid
<b>Colour:</b>	Brown
<b>Solubility in Water:</b>	Soluble
<b>S.G. (20°C):</b>	1.12

## STABILITY AND REACTIVITY

**Stability:** Product is stable for at least 5 years under normal conditions of warehouse storage.

**Reactivity Data:** Violent reactions between thiocyanates and oxidising agents are possible.

**Incompatible Materials:** Avoid chlorates, nitrates, nitric acid, organic peroxides and potassium Chlorate.

## TOXICOLOGICAL INFORMATION

### **For Amitrole:**

Acute oral LD<sub>50</sub> (rats): Range of single dose toxicity is reported as 1100 – 24600mg/kg

Acute dermal LD<sub>50</sub> (rats): > 10,000mg/kg

### **For Ammonium Thiocyanate:**

Acute oral LD<sub>50</sub> (mouse): 300mg/kg

## CHRONIC EFFECTS

**Amitrole:** Based on the results of animal studies liver and thyroid effects may result. In prolonged feeding studies with animals, effects on the thyroid have been documented, including the formation of tumors. Epidemiological studies of workers using amitrole in the field have been inconclusive with respect to an increase in the incidence of a specific cancer. However, the International Agency for Research on cancer have categorised amitrole as a possible carcinogen (Category 2B) on the basis of the weight of animal data.

**Ammonium Thiocyanate:** Ingestion of this substance may lead to an effect that mimics iodism i.e. a condition resulting from an overdose of iodine, characterised by running eyes and nose, salivation and skin eruptions.

## ECOLOGICAL INFORMATION

**Avoid contaminating waterways. This product is nontoxic to birds, honeybees and fish.**

## DISPOSAL CONSIDERATIONS

Do not reuse empty container - rinse empty containers thoroughly before disposal in local authority landfill. Do not dispose of product down any drain.

## TRANSPORT INFORMATION

**Not Classified as Dangerous Goods for transport by road or rail.**

## REGULATORY INFORMATION

Poisons Schedule: S5

OTHER INFORMATION
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**Trademark information:**

**Preparation information:**

**Data Source:**

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.