



# AGRO-ALLIANCE (AUSTRALIA) PTY LTD

**AGRO-ALLIANCE**  
(AUSTRALIA) PTY LTD  
A.B.N.11 130 864 603

2, Mavron Street, Ashwood, VIC 3147, Australia  
Tel: +61 3 86442677 / 86442679 Fax: +61 3 98073883 Email: info@agroalliance.com.au

## **Section 1 - Identification of Chemical Product and Company**

Tralkoxydim 400WDG

**Trade Name:** Agro-Essence Tralkoxydim 400 Herbicide  
**Product Use:** A granular pre-plant selective agricultural herbicide  
**Company:** Agro-Alliance (Australia) Pty Ltd.  
**Address:** 2, Mavron Street, Ashwood VIC 3147, Australia  
**Telephone Number:** +61 03 86442677 / 86442679  
**Fax Number:** +61 03 98073883  
**Website:** [www.agroalliance.com.au](http://www.agroalliance.com.au)  
**Issue Date:** June 2013

## **Section 2 - Hazards Identification**

**Classified as hazardous according to criteria of Safe Work Australia.  
Not classified as a Dangerous Good according to the ADG Code**

Risk Phrases: R22 Harmful if swallowed.

Safety Phrases: S2 Keep out of reach of children.

S13 Keep away from food, drink and other animal foodstuffs.

S23 Do not breathe vapour or spray.

S24/25 Avoid contact with skin and eyes.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection

## **Section 3 - Composition/Information on Ingredients**

**Ingredients:**

CHEMICAL	CAS NUMBER	PROPORTION
Tralkoxydim		400 g/kg
Other ingredients determined not to be hazardous		Up to 100%



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## **Section 4 - First Aid Measures**

### **FIRST AID**

**Ingestion:** If swallowed do NOT induce vomiting. Wash mouth with water. If poisoning occurs, contact a Doctor or Poisons Information Centre. Phone 131 126.

**Eye contact:** Gently brush granules away and rinse with water. If irritation occurs and persists, seek medical advice.

**Skin contact:** Gently brush granules away. Wash skin with soap and water. If irritation occurs and persists, seek medical advice. Irritation of the skin is not expected..

**Inhalation:** Remove to fresh air and observe until recovered. If effects persist, seek medical advice.

**Advice to Doctor:** Treat symptomatically.

## **Section 5 - Fire Fighting Measures**

**Extinguishing media:** Combustible solid. Extinguish fire using carbon dioxide, foam or dry agent. If not available, use waterfog or fine water spray but ensure all runoff is contained. Contain all runoff.

**Hazards from combustion products:** Product will decompose when burnt and will emit toxic fumes. Fire-fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or smoke. If this product is scattered there is a possibility that it could form flammable or explosive dust clouds in the air.

**Precautions for fire-fighters and special protective equipment:** Isolate fire area. Evacuate downwind residents. Wear full protective clothing and self contained breathing apparatus. Do not breathe smoke or vapours generated. Stop all fire water from entering drains or water bodies.

## **Section 6 - Accidental Release Measures**

**Emergency procedures / Material and methods for containment and cleanup procedures:**

**Accidental release:** In the event of a major spill, prevent spillage from entering drains or water courses. As a minimum, wear overalls, face shield or goggles and gloves. If there is a significant chance of that dust is likely to build up in the cleanup area, the use of a respirator is recommended.

In the case of spillage, stop leak if safe to do so, and contain spill. Contain spill and sweep up and shovel or collect recoverable material into labelled containers for use, recycling or dispose as waste as indicated in section 13 or according to the Australian Standard 2507 - Storage and Handling of Pesticides. Keep out animals and unprotected persons. This product is a herbicide and spills can



damage crops, pastures and desirable vegetation.

After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. Thoroughly launder protective clothing before storage or re-use.

## **Section 7 - Handling and Storage**

**Precautions for Safe Handling:** No smoking, eating or drinking should be allowed where material is used or stored. When preparing the spray wear face shield or goggles. Wash hands after use. After each day's use wash face shield or goggles.

**Conditions for Safe Storage:** Not classified as a Dangerous Good. This product is a Schedule 5 Poison (S5) and must be stored, transported and sold in accordance with the relevant Health Department regulations. Store in the closed, original container in a well ventilated area away from children, animals, food, feedstuffs, seed and fertilisers. Do not store for prolonged periods in direct sunlight.

## **Section 8 - Exposure Controls and Personal Protection**

### **Exposure Guidelines:**

No exposure guidelines have been established for this product by Safe Work Australia. However the manufacturer has recommended the following exposure standard for tralkoxydim

Chemical	Exposure Standard (TWA) <sup>a</sup>	STEL <sup>b</sup>
Tralkoxydim	3 mg/m <sup>3</sup>	-

a = TWA - Time-weight Average

b = STEL - Short Term Exposure Standard

### **Biological Limit Values:**

No biological limit allocated.

### **Engineering controls:**

Use in ventilated areas adequate to keep exposure below the TWA, generally natural ventilation is adequate. Keep containers closed when not in use.

### **Personal Protective equipment (PPE):**

General: When preparing the spray wear face shield or goggles. Wash hands after use. After each day's use wash face shield or goggles.

Respiratory Protection: Generally not required. Use of a respirator may be required in certain circumstances to protect from inhalation of dust.



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## **Section 9 - Physical and Chemical Properties:**

**Appearance:** Pale granules.

**Melting point:** 99 - 104°C (Tralkoxydim).

**Freezing point:** not applicable.

**Specific Gravity:** 1.6.

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

**pH:** No data available.

**Flammability:** Combustible.

**Corrosive hazard:** Not corrosive.

**Auto ignition temperature (°C):** 550 - 600°C.

**Flammability Limits (%):** Not established.

**Poisons Schedule:** S5.

## **Section 10 - Stability and Reactivity**

**Chemical Stability:** Product is considered stable in ambient conditions for a period of at least 2 years after manufacture.

**Conditions to avoid:** Do not store for prolonged periods in direct sunlight. Tralkoxydim (as technical) has exhibited exothermic decomposition at approximately 100°C. Avoid heating the product to high temperatures.

**Incompatible materials:** This product will decompose when burnt emitting toxic fumes.

**Hazardous decomposition products:** If involved in fire it will emit oxides of carbon, oxides of nitrogen and possibly oxides of sulphur.

**Hazardous reactions:** Hazardous polymerisation will not occur.

## **Section 11 - Toxicological Information**

No specific data is available for this product as no toxicity tests have been conducted on this product. Information presented is our best judgement based on similar products and/or individual components. As with all products for which limited data is available, caution must be exercised through the use of protective equipment and handling procedures to minimise exposure.

### ***Potential Health Effects:***

#### **ACUTE EFFECTS**

Swallowed: Harmful if swallowed. Acute oral LD<sub>50</sub> Tralkoxydim 1258 mg/kg (male rat); 934 mg/kg (female rat). Possible symptoms of exposure include: nausea, vomiting and central nervous system



depression.

**Eye:** This product may cause eye irritation. Symptoms may include stinging and reddening of eyes and watering. If exposure is brief, symptoms should disappear once exposure has ceased.

**Skin:** Prolonged contact may cause irritation. Acute dermal LD<sub>50</sub> > 2000 mg/kg. No a skin sensitiser. Inhaled: LC<sub>50</sub> > 3.5 mg/L/4hrs. May cause irritation of the respiratory tract.

**Long Term Exposure:**

**Chronic toxicity:** Based on available data, Tralkoxydim is not carcinogenic. In rats, there was evidence

of oncogenicity in the form of benign Leydig-cell tumours in males and uterine adenocarcinomas in females. In female hamsters, benign liver and ovarian tumours were noted. There was no treatment-related increase in the number of tumours in male hamsters. Tralkoxydim was not genotoxic and induced no signs of neurotoxicity. Tralkoxydim was teratogenic at a level that resulted in severe maternal toxicity in both rats and rabbits. The main target of toxicity for all species evaluated was the liver

**Reproductive effects:** No effects have been observed in the absence of maternal toxicity.

**Mutagenic effects:** Data indicates that Tralkoxydim is not mutagenic or has low mutagenic potential.

## **Section 12 - Ecological Information**

**Environmental Toxicology:** This product is biodegradable. Tralkoxydim has moderate toxicity to aquatic organisms and low toxicity to birds and bees.

**Species Toxicity Comment**

Rainbow trout: LC<sub>50</sub> > 7.2 mg/L (96 hour) Moderate toxicity.

Bluegill sunfish: LC<sub>50</sub> > 6.1 mg/L (96 hour) Moderate toxicity.

Daphnia: EC<sub>50</sub> > 175 mg/L (48 hour) Low toxicity.

Algae: EC<sub>50</sub> > 5.1mg/L (120 hour) Moderate toxicity.

Mallard duck: LD<sub>50</sub> > 3020 mg/kg Very low toxicity.

Bees: LD<sub>50</sub> 54 µg/bee Non toxic.

**Environmental Fate:**

Tralkoxydim has low soil persistence. The half-life in soil is 2 - 13 days.

Moderately hazardous to fish. DO NOT contaminate streams, rivers or waterways with the chemical or used container.



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## **Section 13 - Disposal Considerations**

**Spills and Disposal:** Persons involved in cleanup require adequate skin protection - see section 8. In case of spillage, contain and absorb spilled material with absorbent material such as clay, sand or cat litter and dispose of waste as indicated below or in accordance to the Australian Standard 2507- Storage and Handling of Pesticides. Keep out animals and unprotected persons. Keep material out of streams and sewers. Vacuum, shovel or pump waste into an approved drum. Dispose of drummed wastes, including decontamination solution in accordance with the requirements of Local or State Waste Management Authorities.

**Disposal of empty containers:** Single rinse before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. Puncture and bury empty bags in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots in compliance with relevant Local, State or Territory government regulations. DO NOT burn empty containers or product.

## **Section 14 - Transport Information**

**Road & Rail Transport:** This product is not classified as a Dangerous Goods under the Australian Code for the Transport of Dangerous Goods by Road and Rail. Not classified as a Dangerous Good for marine or air transport.

This product is a Schedule 6 Poison (S6) and must be stored, transported and sold in accordance with the relevant Health Department regulations.

## **Section 15 - Regulatory Information**

Under the Standard for Uniform Scheduling of Medicines and Poisons (SUSMP), this product is a schedule 5 poison.

This product is registered under the Agricultural and Veterinary Chemicals Code Act 1994. Product Registration No. 65110

This product is classified as a Hazardous Substance under the criteria of Safe Work Australia. Xi: Irritant.

This product is not classified as a Dangerous Good according to the ADG Code (7<sup>th</sup> Ed).



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## **Section 16 - Other Information**

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

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 MUST REVIEW THIS MSDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS

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.

Please read all labels carefully before using product.

This MSDS is prepared in accord with the ASCC document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2001(2003)]