



## MATERIAL SAFETY DATA SHEET

### TITAN TRALKOXYDIM 400 WG HERBICIDE

#### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

<b>Product Name</b>	Titan Tralkoxydim 400 WG Herbicide
<b>Product Code</b>	-
<b>Other Names</b>	-
<b>Product Use</b>	Agricultural Herbicide
<b>Company Name</b>	Titan Ag Pty Ltd
<b>Address</b>	3/14 Narabang Way Belrose NSW 2085
<b>Telephone Number</b>	02 9986 2943
<b>Emergency Telephone</b>	02 9986 2943

#### 2. HAZARDS IDENTIFICATION

##### HAZARDOUS SUBSTANCE. NON DANGEROUS GOODS.

Classified as hazardous according to the criteria of Safe Work Australia.

<b>Hazards</b>	Xi – Irritant
<b>Risk Phrases</b>	R22 - Harmful if swallowed. R36 - Irritating to eyes.
<b>Safety Phrases</b>	S20 - When using do not eat or drink. S22 - Do not breathe dust. S24/25 - Avoid contact with skin and eyes. S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

#### 3. COMPOSITION / INFORMATION ON INGREDIENTS

<b>Ingredient (common name)</b>	<b>CAS Number</b>	<b>Proportion</b>
Tralkoxydim	87820-88-0	40%
Other ingredients deemed not to be hazardous	proprietary	to 100%

#### 4. FIRST AID MEASURES

<b>Inhalation</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist.
<b>Ingestion</b>	If swallowed, wash mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Seek immediate medical attention.
<b>Skin</b>	Remove contaminated clothing and wash affected areas with soap and water. Seek medical attention if symptoms persist. Launder clothing before reuse.



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**Eyes** In case of eye contact, check for and remove any contact lenses. Immediately irrigate eyes with plenty of running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.

### 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media** For major fires call the Fire Brigade. Ensure that an escape path is available from any fire.  
Product is not combustible. Use extinguishing media suitable for the surrounding fire.

**Hazardous Combustion Products** Carbon dioxide, carbon monoxide (if combustion is incomplete) and smoke, nitrogen and its compounds and under some circumstances oxides of nitrogen.

**Firefighting Equipment** Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing.

**Unusual Fire or Explosion Hazards** Does not burn.  
There is no risk of an explosion from this product under normal circumstances or if it is involved in a fire.

**Hazchem Code** Not allocated.

### 6. ACCIDENTAL RELEASE MEASURES

**Spills** In the event of a major spill, prevent spillage from entering drains or water courses. Wear full protective clothing. Sweep up and collect recoverable product into labelled containers for disposal. Do not generate dust.  
After spill wash area preventing runoff from entering drains.  
Launder protective clothing before re-use.

### 7. HANDLING AND STORAGE

**Handling** Avoid contact with eyes and skin. Do not inhale dust. Use of safe work practices is recommended. Observe good personal hygiene.

**Storage** Store in the closed, original container in a dry, well ventilated area, as cool as possible. Do not store for prolonged periods in direct sunlight. Keep container tightly sealed. Make sure that the product does not come into contact with incompatible materials.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Standards (Safe Work Australia) Engineering Controls** No exposure standards set.  
Local exhaust ventilation is recommended when dusts can be released in excess of established airborne exposure limits.

**Respiratory Protection** If there is a significant chance that dusts are to build up in the area, use suitable dust mask.

**Eye Protection** Protective glasses or goggles and face shield.

**Skin Protection** Elbow-length gloves and protective clothing.



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**Hygienic Practices** Food, beverages and tobacco products should not be stored or consumed where this material is in use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Blue granulated solid.
<b>Odour</b>	Practically odourless
<b>Solubility in Water</b>	Slightly soluble
<b>Boiling Point</b>	Not applicable
<b>Melting Point</b>	99-104°C
<b>Vapour Pressure</b>	Negligible at normal room temperatures
<b>Vapour Density (Air = 1)</b>	No information available
<b>Volatiles</b>	No information available. Expected to be low at 100°C
<b>Specific Gravity</b>	No information available
<b>Coefficient Oil / Water Distribution</b>	2.1 @20°C (log P octanol / water)

### 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable under normal storage conditions.
<b>Incompatible Materials</b>	Strong acids, strong bases and strong oxidising agents.
<b>Hazardous Decomposition Products</b>	Carbon dioxide, carbon monoxide (if combustion is incomplete) and smoke, nitrogen and its compounds and under some circumstances oxides of nitrogen.
<b>Hazardous Polymerization Conditions to Avoid</b>	Will not occur. No information available

### 11. TOXICOLOGICAL INFORMATION

<b>Toxicity</b>	<b>Tralkoxydim:</b> Oral LD <sub>50</sub> (rat) > 2000mg/kg Dermal LD <sub>50</sub> (rat) > 10 000mg/kg Dermal LD <sub>50</sub> (rabbit) > 5000mg/kg
<b>Routes of Exposure</b>	Inhalation, ingestion, eye and skin
<b>Acute Health Effects</b>	Inhalation: May cause nose and throat irritation Ingestion: Harmful if swallowed. Eye: Irritating to eyes. Causes stinging and reddening of eyes. Delayed treatment may cause permanent damage. Skin: May cause skin irritation.
<b>Chronic Health Effects Existing Conditions Aggravated by Exposure Carcinogenicity</b>	No information available No information available. No (Safe Work Australia, NTP and IARC).

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Fish:

LC<sub>50</sub> (rainbow trout) > 7.2mg/L

LC<sub>50</sub> (mirror carp) > 8.2mg/L

LC<sub>50</sub> (bluegill sunfish) > 6.1mg/L

#### Algae:

EC<sub>50</sub> = 7.6mg/L

#### Daphnia:

EC<sub>50</sub> > 75mg/L

#### Bees:

LD<sub>50</sub> (contact) > 100µg/L

LD<sub>50</sub> (oral) > 54µg/L

#### Birds:

LD<sub>50</sub> (mallard duck) > 3020mg/kg

### Mobility

Tralkoxydim is moderately persistent in soils. Degradation is caused by microorganisms, hydrolysis and photolysis.

## 13. DISPOSAL CONSIDERATIONS

### Disposal methods and containers

Instructions concerning the disposal of this product and its containers are given on the product label. Dispose according to applicable local and state government regulations.

### Special precautions for landfill or incineration

Please consult your state Land Waste Management Authority for more information

## 14. TRANSPORT INFORMATION

Not classified as a dangerous good according to the Australian Code for the Transport of Dangerous goods by road or rail.

<b>UN Number</b>	Not applicable
<b>Proper Shipping Name</b>	Not applicable
<b>Dangerous Goods Class</b>	Not applicable
<b>Hazchem Code</b>	Not applicable
<b>Packing Group</b>	Not applicable
<b>Special Precautions</b>	Not applicable

## 15. REGULATORY INFORMATION

Tralkoxydim is listed in the Australian Inventory of Chemical Substances (AICS).

**SUSDP Classification: 5**



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### 16. OTHER INFORMATION

**Last Revision of MSDS** Rev 1.0 (01/03/2010)  
**Prepared by** MSDS.COM.AU Pty Ltd [www.msds.com.au](http://www.msds.com.au)  
**Abbreviations Used** IARC: International Agency for Research on Cancer  
NTP: National Toxicology Program (U.S.)  
OSHA: Occupational Safety and Health Administration (U.S.)  
STEL: Short term exposure limit  
TWA: Time weighted average

#### Emergency Contacts

<b>Titan Ag Pty Ltd</b>	<b>02 9986 2943</b>
<b>Titan Ag Pty Ltd – Emergency Number</b>	<b>02 9986 2943</b>
<b>Police and Fire Brigade</b>	<b>000</b>
<b>Poisons Information Centre</b>	<b>13 11 26</b>

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Please read instructions / label before using product.