

## 1. IDENTIFICATION

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### Product Identifier

KELPIE® PRO-CARB DUO TF HERBICIDE

### Recommended Use of the Chemical and Restrictions on Use

Agricultural herbicide for use as described on the product label.

### Details of Manufacturer or Importer

SINOCHEM INTERNATIONAL AUSTRALIA PTY LTD

ABN: 74 160 164 616

Level 8 / 606 St Kilda Road

Melbourne, Victoria, 3004

Australia

Tel: +61 3 9520 8888

### Emergency Telephone:

Australia: 1800 033 111

## 2. HAZARDS IDENTIFICATION

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Classified as Class 9 Miscellaneous Dangerous Goods (UN 3077 or UN 3082, Environmentally Hazardous Substance) by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; DANGEROUS GOODS.

Environmentally Hazardous Substances meeting the descriptions of UN 3077 or UN 3082 are not subject to the provisions of the Australian Code for the Transport of Dangerous Goods by Road and Rail when transported by road or rail in packagings, IBC's, or any other receptacle not exceeding 500 kg(L).

This material is hazardous according to Safe Work Australia; HAZARDOUS CHEMICAL.

### Classification of the chemical:

Skin Sensitisation - Category 1

Carcinogenicity - Category 2

The following health/environmental hazard categories fall outside the scope of the Workplace Health and Safety Regulations:

Acute Oral Toxicity - Category 5

Acute Aquatic Toxicity - Category 1

Chronic Aquatic Toxicity - Category 1

### SIGNAL WORD: WARNING



# Safety Data Sheet



## Hazard Statement(s):

H317 May cause an allergic skin reaction.  
H351 Suspected of causing cancer.

## Precautionary Statement(s):

### Prevention:

P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P261 Avoid breathing mist, vapours, spray.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P280 Wear protective gloves, protective clothing.  
P281 Use personal protective equipment as required.

### Response:

P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P321 Specific treatment (see First Aid Measures on Safety Data Sheet).  
P363 Wash contaminated clothing before re-use.  
P308+P313 IF exposed or concerned: Get medical advice/attention.

### Storage:

P405 Store locked up.

### Disposal:

P501 Dispose of contents and container in accordance with local, regional, national, international regulations.

**Poisons Schedule (SUSMP):** S6 Poison.

## 3. COMPOSITION AND INFORMATION ON INGREDIENTS

Components	CAS Number	Proportion	Hazard Codes
Prosulfocarb	52888-80-9	670 g/L	H302 H317 H411
Trifluralin	1582-09-8	250 g/L	H317 H351 H410
Non hazardous component(s)	-	to 100%	-

## 4. FIRST-AID MEASURES

For advice, contact a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor.

### Inhalation:

Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

### Skin Contact:

If skin or hair contact occurs, immediately remove any contaminated clothing and wash skin and hair thoroughly with running water and soap. If swelling, redness, blistering or irritation occurs seek medical assistance.

**Eye Contact:**

If in eyes, wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.

**Ingestion:**

Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water. Never give anything by the mouth to an unconscious patient. Seek medical advice.

**Indication of immediate medical attention and special treatment needed:**

Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

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**Suitable Extinguishing Media:**

Alcohol resistant foam is the preferred firefighting medium but, if it is not available, normal protein foam can be used.

**Hazchem or Emergency Action Code:** - 3Z**Specific hazards arising from the chemical:**

Combustible liquid. Environmentally hazardous.

**Special protective equipment and precautions for fire-fighters:**

On burning will emit toxic fumes, including those of oxides of carbon. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

## 6. ACCIDENTAL RELEASE MEASURES

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**Emergency procedures/Environmental precautions:**

Isolate spill or leak area immediately. Clear area of all unprotected personnel. Shut off all possible sources of ignition. Do not allow container or product to get into drains, sewers, streams or ponds. If contamination of sewers or waterways has occurred advise local emergency services.

**Personal precautions/Protective equipment/Methods and materials for containment and cleaning up:**

Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contact and breathing in vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal. After cleaning, flush away any residual traces with water.

## 7. HANDLING AND STORAGE

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Classified as a C2 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS 1940. Refer to State Regulations for storage and transport requirements.

This material is a Scheduled Poison S6 and must be stored, maintained and used in accordance with the relevant regulations.

### Precautions for safe handling:

Avoid skin and eye contact and breathing in vapour, mists and aerosols. Thoroughly clean equipment after use. Keep out of reach of children. When using do not eat, drink or smoke. Launder contaminated clothing before reuse.

### Conditions for safe storage, including any incompatibilities:

Store in the closed, original container in a well-ventilated area, as cool as possible and away from children, animals, food, feedstuffs, seed and fertilisers. Do not store for prolonged periods in direct sunlight. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for leaks.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Control Parameters:** No value assigned for this specific material by Safe Work Australia.

### Appropriate engineering controls:

Use in well ventilated areas. Keep containers closed when not in use.

### Individual protection measures, such as Personal Protective Equipment (PPE):

The selection of PPE is dependent on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

OVERALLS, SAFETY SHOES, SAFETY GLASSES, GLOVES, RESPIRATOR.



Wear overalls, safety glasses and impervious gloves. Use with adequate ventilation. If determined by a risk assessment an inhalation risk exists, wear an organic vapour respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Colour:	Red to Brown
Odour:	Characteristic
Odour Threshold:	Not available
Solubility:	Emulsifiable with water.
Specific Gravity:	ca. 1.10
Relative Vapour Density (air=1):	Not available
Vapour Pressure (20 °C):	Not available
Flash Point (°C):	130
Flammability Limits (%):	Not available
Autoignition Temperature (°C):	Not available
Boiling Point/Range (°C):	158-214 (solvent)
Decomposition Point (°C):	Not available
pH:	5-9

## 10. STABILITY AND REACTIVITY

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<b>Reactivity:</b>	Non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability:</b>	Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
<b>Possibility of hazardous reactions:</b>	Hazardous polymerisation will not occur.
<b>Conditions to avoid:</b>	Avoid exposure to direct sunlight.
<b>Incompatible materials:</b>	Incompatible with oxidising agents , acids , bases .
<b>Hazardous decomposition products:</b>	Oxides of carbon. Oxides of nitrogen. Oxides of sulfur.

## 11. TOXICOLOGICAL INFORMATION

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No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

<b>Ingestion:</b>	Swallowing may result in nausea, vomiting, and abdominal pain.
<b>Eye contact:</b>	May be an eye irritant.
<b>Skin contact:</b>	Contact with skin may result in irritation. A skin sensitiser. Repeated or prolonged skin contact may lead to allergic contact dermatitis.
<b>Inhalation:</b>	Material may be irritant to the mucous membranes of the respiratory tract (airways).
<b>Acute toxicity:</b>	No LD50 data available for the product. However, for constituent(s) :
Oral LD50 (rat):	1820 mg/kg (for Prosulfocarb); 1930 mg/kg (for Trifluralin).
Dermal LD50 (rabbit):	>2000 mg/kg (for Prosulfocarb); >2000 mg/kg (for Trifluralin).
<b>Skin corrosion/irritation:</b>	Non-irritant (rabbit).
<b>Serious eye damage/irritation:</b>	Non-irritant (rabbit).
<b>Respiratory or skin sensitisation:</b>	A skin sensitiser (guinea pig).
<b>Chronic effects:</b>	
<b>Mutagenicity:</b>	No information available.
<b>Carcinogenicity:</b>	Suspected of causing cancer. Trifluralin has been classified by the International Agency for Research on Cancer (IARC) as a Group 3 agent. Group 3 - The agent is not classifiable as to its carcinogenicity to humans. Data available is insufficient for an assessment to be made.
<b>Reproductive toxicity:</b>	No information available.

**Specific Target Organ Toxicity (STOT) - single exposure:** No information available.  
**Specific Target Organ Toxicity (STOT) - repeated exposure:** No information available.  
**Aspiration hazard:** No information available.

## 12. ECOLOGICAL INFORMATION

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**Ecotoxicity** Avoid contaminating waterways.

**Persistence/degradability:** Not readily biodegradable.

**Bioaccumulative potential:** Contains component(s) with the potential to bioaccumulate.

**Mobility in soil:** No information available.

**Aquatic toxicity:** Very toxic to aquatic organisms. May cause long lasting harmful effects to aquatic life.

48hr LC50 (Daphnia magna): 0.5-0.6 mg/L  
96hr LC50 (rainbow trout): 0.02-0.84 mg/L

## 13. DISPOSAL CONSIDERATIONS

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### Disposal methods:

Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on-site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and bury empty containers 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. Empty containers and product should not be burnt.

## 14. TRANSPORT INFORMATION

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### Road and Rail Transport

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# Safety Data Sheet



**UN No:** 3082  
**Transport Hazard Class:** 9 Miscellaneous Dangerous Goods  
**Packing Group:** III  
**Proper Shipping Name or Technical Name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS PROSULFOCARB, TRIFLURALIN)  
**Hazchem or Emergency Action Code:** - 3Z

## Marine Transport

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; DANGEROUS GOODS.

**UN No:** 3082  
**Transport Hazard Class:** 9 Miscellaneous Dangerous Goods  
**Packing Group:** III  
**Proper Shipping Name or Technical Name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS PROSULFOCARB, TRIFLURALIN)  
**IMDG EMS Fire:** F-A  
**IMDG EMS Spill:** S-F

## Air Transport

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; DANGEROUS GOODS.

**UN No:** 3082  
**Transport Hazard Class:** 9 Miscellaneous Dangerous Goods  
**Packing Group:** III  
**Proper Shipping Name or Technical Name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS PROSULFOCARB, TRIFLURALIN)

## 15. REGULATORY INFORMATION

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### **Classification:**

This material is hazardous according to Safe Work Australia; HAZARDOUS CHEMICAL.

### **Classification of the chemical:**

Skin Sensitisation - Category 1

Carcinogenicity - Category 2

The following health/environmental hazard categories fall outside the scope of the Workplace Health and Safety Regulations:

Acute Oral Toxicity - Category 5

Acute Aquatic Toxicity - Category 1

Chronic Aquatic Toxicity - Category 1

### **Hazard Statement(s):**

H317 May cause an allergic skin reaction.

H351 Suspected of causing cancer.

**Poisons Schedule (SUSMP):** S6 Poison.

This product is registered by the Australian Pesticides & Veterinary Medicines Authority (APVMA).  
APVMA Approval Number: 87165

## 16. OTHER INFORMATION

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### References:

Supplier Safety Data Sheet; 04/ 2018.

'Registry of Toxic Effects of Chemical Substances'. Ed. D. Sweet, US Dept. of Health & Human Services: Cincinnati, 2018.

® KELPIE is a registered trademark of Sinochem International Crop Care (Overseas) Pty Ltd.

This safety data sheet has been prepared by Ixom Operations Pty Ltd (Toxicology & SDS Services).

### Reason(s) for Issue:

First Issue Primary SDS

### Acronyms:

CAS number: Chemical Abstracts Service Registry Number

UN Number: United Nations Number

NOS: Not otherwise specified

Hazchem or Emergency Action Code: Set of numbers and letters that provide information to emergency services especially firefighters

### Disclaimer of Liability

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