

MATERIAL SAFETY DATA SHEET

Agricrop Propon Systemic Grasskiller

Not classified as hazardous according to criteria of Worksafe Australia.

1. IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY

Product Name: Agricrop Propon Systemic Grasskiller
Supplier: Agricrop Pty Ltd
ABN: 84 100 473 309
Street Address: 255 Port Rd
Hindmarsh, South Australia 5007

Telephone: 07 3348 4113
Facsimile: 07 3348 2702
Emergency Telephone Number: 1800 033 111 (all Hours)

Proper Shipping Name None Allocated
UN Number None Allocated
DG Class None Allocated
Packing Group None Allocated
Hazchem Code None Allocated
Poisons Schedule Not Scheduled

2. COMPOSITION/INFORMATION ON INGREDIENTS

Recommended Uses: For the control of couch, kikuyu and other perennial and annual grasses.
Recommended for control of cumbungi and Phragmites.

Appearance & Odour: off white powder

Chemical entity	CAS No	Proportion
2,2-Dichloropropionic acid	127-20-8	85 %
Sodium Salt (expressed as acid equivalent) 74 %		
Inerts		15 %

3. HAZARD IDENTIFICATION

Risk Phrases:

Safety Phrases:

S2 Keep out of reach of children

Poison Schedule (Aust)/Toxic Substance (NZ): Not Scheduled

4. FIRST AID MEASURES

Ingestion:

If swallowed give water and induce vomiting - use Ipecac Syrup (APF).

Eye Contact:

Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open.

Skin Contact:

Remove contaminated clothing and launder before re-use. Wash affected areas thoroughly with soap and water.

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Inhalation:

Remove victim to fresh air.

Notes to physician: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Not flammable. If involved in a fire, will emit toxic fumes of hydrogen chloride, phosgene, etc, when exposed to fire or intense heat. Breathable air apparatus may have to be used in confined spaces.

Extinguishing media:

Use water fog to cool material. The material is a total herbicide. Try to contain any fire water and avoid run-off onto desirable vegetation or water-ways.

6. ACCIDENTAL RELEASE MEASURES

Sweep into closed containers for disposal. . Do not allow material to enter dams, waterways, streams or sewers.

7. HANDLING AND STORAGE

Storage:

Store in the closed, original container in a dry, well-ventilated area, as cool as possible and out of direct sunlight.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards:

No exposure limits have been set for the sodium salt of 2,2-dichloropropionic acid
A standard has been set for free 2,2-dichloropropionic acid:- TLV, 1ppm; 6mg/m³ (TWA)

Engineering Controls:

Avoid formation of dust. If dust formation cannot be avoided, use mechanical ventilation to exhaust the dust; or wear a suitable dust mask.

Personal Protection:

Avoid contact with eyes and skin. DO NOT inhale dust or spray mist.

Wash hands after use and before eating, drinking or smoking.

It is good practice when handling the solid or a concentrated solution to wear eye protection (goggles) and gloves (PVC), arm and leg covering.

Flammability

Fire Hazard Non flammable.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance & Odour:	Off-white powder
Form:	Solid
Melting/softening point:	Decomposes 166.5°C without melting
Boiling point:	NA
Vapour pressure:	Non volatile
Volatile materials:	none
Flashpoint:	none
Flammability Limits:	NA
Autoignition Temp.:	NA
Specific gravity:	0.36 (bulk density)

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Decomposition Temp.: 166.5°C

Other Information The solid is hygroscopic, it will pick up water from the air and, if left open to the air long enough, will either form strongly caked lumps or absorb sufficient moisture to form a solution. It is very water soluble.

10. STABILITY AND REACTIVITY

Hazardous Reaction Keep away from strong oxidising agents, may react violently. Material will slowly decompose when wet and at elevated temperatures. Reaction is non-hazardous but product will lose efficacy. Contamination with most extraneous materials will cause product to lose efficacy.

Hazardous Decomposition Products: Hydrochloric acid in presence of water.

Hazardous polymerization will not occur.

Solutions of the product in water are corrosive to iron.

Hazchem Code None Allocated

11. TOXICOLOGICAL INFORMATION

Acute Effects:

Swallowed:

Not considered a serious hazard. The toxicity is mild to moderate and large amounts of product need to be ingested to result in toxic effects.

Eye:

May cause slight irritation and transitory corneal injury in powder form.

Skin:

May cause slight irritation. Not absorbed in toxic amounts.

Inhaled:

May create a dust hazard and slight discomfort if dry powder is inhaled.

Chronic Effects:

No symptoms due to chronic exposure have been documented in the literature.

Other Health Hazard Information:

The product is mildly toxic only and very large amounts would have to be ingested to result in any acute toxic effects.

Toxicity Data: 2,2-Dichloropropionic Acid Sodium Salt:

Oral-rat LD50: 7,570 – 9,330mg/kg

Oral-rabbit LD50: 3,860mg/kg

Oral-chicken LD50: 5,600mg/kg

Oral-cattle LD50: >4,000mg/kg

Oral-guinea pig LD50: 3,860mg/kg

Percutaneous-rabbit: >2,000mg/kg

In two year feeding trials, no effects have been observed in rats receiving 15mg/kg daily.

LC50 for fish (rainbow trout, channel catfish & goldfish) >100mg/L.

The Australian Acceptable Daily Intake (ADI) of 2,2-dichloropropionic acid, sodium salt for a human is 0.2mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 15mg/kg/day, the level determined to show no effects during long term exposure for the most sensitive indicators and the most sensitive species. (Ref: Comm. Dept. of Human Services and Health, 'ADI List', AGPS, May 1997).

12. ECOLOGICAL INFORMATION

Do NOT spray in high winds.

Do not contaminate dams, waterways or streams with this pesticide or used containers. Do not use this container for any other purpose. Wash out the container and dispose of it in an approved manner.

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The active ingredient slowly hydrolyses in water @ 25°C and rapidly @ 50°C.
Following an application rate of 22kg/ha, duration of residual activity in soil was 3-4 months. 2,2-DPA is destroyed in soil by microbial action.

13. DISPOSAL CONSIDERATIONS

Spills & Disposal Sweep into closed containers for disposal. Do not allow material to enter dams, waterways or sewers.

Triple rinse containers, add rinsate to the spray tank, then offer container for recycling/reconditioning, or puncture top, sides and bottom and dispose of in landfill in accordance with local regulations. On-site disposal of concentrate is not acceptable.

14. STORAGE & TRANSPORT INFORMATION

Storage:

Store in the closed, original container in a dry, well-ventilated area, as cool as possible and out of direct sunlight.

Transport Details:

Road Transport:

Considered non hazardous for transport by the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Proper Shipping Name: None Allocated

15. REGULATORY INFORMATION

Packaging and Labelling:

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

The product has been assessed according to the Worksafe criteria for classifying hazardous substances and is classified as not hazardous:

Risk Phrases:

Safety Phrases:

S2 Keep out of reach of children.

S13 Keep away from food, drink and animal feeding stuffs

16. OTHER INFORMATION

All due care and skill, so far as practicable, has been applied in the preparation and collation of the information in this MSDS. Each user of the Product named in this MSDS should read and consider the information contained in this MSDS in the context of how the Product will be stored, handled, used or applied in the workplace. In all circumstances, it is the responsibility of the user of the Product to ensure that they have sought out the relevant safety data appropriate to their particular situation. Nothing contained in this MSDS shall be construed as a representation or recommendation to the user about the suitability or otherwise of the Product named in this MSDS for the user's particular situation. If the user requires any clarification or further information, the user should contact Agricrop.

**CONTACT POINT: Agricrop Pty Ltd
255 Port Rd
Hindmarsh, South Australia 5007**

Telephone: 07 3348 4113 - Facsimile: 07 3348 2702

National Poisons Information Centre: Dial 13 11 26 (from anywhere in Australia)

Please read all labels carefully before using product.