

MATERIAL SAFETY DATA SHEET**AGRICROP IMMERSE FLOATING HERBICIDE**

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Hazardous according to criteria of Worksafe Australia.

I IDENTIFICATION

Product Name: Agricrop Immerse Floating Herbicide

Other Names:

UN No: 1993

Hazchem Code: 3{Y}

Dangerous Goods Class: 3

Sub Risk Class: No Subsidiary Risk.

SUSDP: S5 (Fed) S5 (NSW) S5 (Vic) S5 (WA) S5 (Qld) S5 (Tas) S5 (NT)

Packaging Group: III

EPG: 3A1

Poison Schedule: Not Scheduled

Product Type: Selective herbicide. Emulsifiable Concentrate.

Uses: For the control of Salvinia, Water Lettuce and Red Azolla

Physical appearance & Properties:

Appearance & Odour: Ambient liquid with pungent odour.

Form: Liquid

Melting/softening point: < 0°C

Boiling point: > 100°C

Vapour pressure: 30 mm Hg @ 20°C

Rel. Vapour Pressure: >1

Volatile materials: ~ 60%

Flashpoint: ~ 35°C

Flammability Limits: No information available

Autoignition Temp.: Not known

Specific gravity: 0.89

Solubility in water: Insoluble in water, emulsifies in water

Other Properties:

Ingredients:**Chemical entity**

Calcium salt of dodecyl benzene sulphonic acid
Butanol
Hydrocarbon liquids

CAS No

26264-06-2

Proportion

300g/L
5 – 15%
600g/L

MATERIAL SAFETY DATA SHEET

II HEALTH HAZARD DATA

Acute Effects:

Swallowed:

The material is not palatable and it is unlikely that quantities of concern could be swallowed.

If an excessive amount were to be swallowed, the most likely effects would be alcohol like symptoms of intoxication arising from n-butanol.

The presence of solvent, especially kerosene, can lead to lung problems (pulmonary pneumonitis) if vomiting has occurred.

The concentrate is considered harmful if swallowed, when classified according to the Worksafe Criteria.

Eye:

The concentrate may cause irritation leading to corneal inflammation and blurring vision.

Skin:

The concentrate is a skin irritant. Prolonged or repeated exposure may cause defatting of the skin that could lead to secondary dermatitis.

Inhaled:

Inhalation of the solvent may cause irritation of the mucous membrane and lungs. Large excess of vapour can lead to symptoms of inco-ordination, blurred vision. A TLV of 50ppm has been set for n-butanol, this TLV must be observed.

Primary route of exposure is inhalation and skin and eye contact.

Chronic Effects:

No known symptoms encountered.

Other Health Hazard Information:

If poisoning occurs, contact a Doctor or Poisons Information Centre 13 11 26.

First Aid:

Swallowed:

If swallowed do NOT induce vomiting; seek medical advice immediately and show this container or label or contact the Poisons Information Centre on 13 11 26. Make every effort to prevent vomit from entering the lungs by careful placement of the patient.

Eye:

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

Skin:

Wash affected areas thoroughly with soap and water.

Remove contaminated clothing and launder before re-use.

Inhaled:

Remove to fresh air until recovered – notify physician.

First Aid Facilities:

If poisoning occurs, contact a Doctor or Poisons Information Centre 13 11 26.

Advice to doctor:

Treat symptomatically.

Aspiration of vomitus may lead to pulmonary pneumonitis.

MATERIAL SAFETY DATA SHEET

Toxicity Data:

Calcium dodecylbenzene sulphonate:

LD₅₀ Oral (Rat): 4,000mg/kg

LD₅₀ Oral (Mouse): 3,680mg/kg

Kerosene

LC₅₀ Oral (Rat): 800mg/kg

LC₅₀ Oral (Rabbit): 28mg/kg

Butanol

LC₅₀ Oral (Rat): 4,360mg/kg

LC₅₀ Oral (mouse): 5,200mg/kg

The Australian Acceptable Daily Intake (ADI) of dodecylbenzene sulphonate is 0.25mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 25mg/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 Health and Ageing, 'ADI List', TGA, March 2001).

III PRECAUTIONS FOR USE

Exposure Standards:

An exposure limit has been set for n-butanol of 50ppm (150mg/m³), peak; skin absorption warning.

Engineering Controls:

Natural only although a local exhaust should be provided if material is handled in confined spaces to keep level of solvent, especially n-butanol to within the TLV.

Personal Protection:

Avoid contact with eyes and skin. DO NOT inhale spray mist. When preparing spray wear PVC or rubber apron, elbow length PVC gloves and face shield. If the product contacts skin (especially the concentrate), immediately wash area with soap and water. After use and before eating, drinking and smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves, face-shield and contaminated clothing.

Flammability:

Flammable liquid. Flash point 35°C.

Environment:

Do NOT spray in high winds. Avoid spray drift and contamination of dams, waterways or streams with this product or used containers. DO NOT use this container for any other purpose. After use, rinse out container thoroughly and dispose of safely. After use clean equipment thoroughly and rinse out several times prior to re-use.

Equipment that has been used for this product should not be used for the application of other materials to sensitive plants.

MATERIAL SAFETY DATA SHEET

IV SAFE HANDLING INFORMATION

Storage & Transport:

Storage:

Store in closed, original container in a well-ventilated area away from children, animals, food, feedstuffs, seed and fertilisers. Avoid all sources of ignition including static electricity buildup during transfer operations.

Transport Details:

Proper Shipping Name:	Flammable liquid, n.o.s. {contains: butanol}		
UN No.	1993		
Class:	3	Packaging Group:	III
Hazchem:	3[Y]	EPG:	3A1

Packaging and Labelling:

Not to be used for any purpose or in any manner contrary to the label unless authorised under appropriate legislation.

The product has been assessed according to the Worksafe criteria for classifying hazardous substances and is classified as hazardous:

Risk Phrases:

R10	Flammable
R20/22	Harmful by inhalation and if swallowed.
R36/38	Irritating to eyes and skin
R65	Harmful: may cause lung damage if swallowed.

Safety Phrases:

S2	Keep out of reach of children.
S7	Keep container tightly closed.
S16	Keep away from sources of ignition – No smoking
S24/25	Avoid contact with skin and eyes.

Spills and disposals:

Contain spill and absorb with sand or proprietary absorbent (vermiculite).

Prevent from entering drains or waterways or sewers.

Collect in sealed open top containers for disposal.

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 a landfill in accordance with local regulations. On-site disposal of concentrate is not acceptable.

Fire/Explosion Hazard:

Extinguishing Media: Water fog, dry chemical, foam, CO₂.

Special Fire Fighting Procedures:

Breathable air apparatus must be worn if material is involved in fires especially in confined spaces. Keep upwind. May emit toxic fumes in fires.

Reactivity Data:

Avoid oxidising agents, could react violently.

Toxic fumes may be emitted if material is subjected to intense heat or involved in fires. In intense fires, may evolve oxides of calcium or oxides of sulphur (sulphur dioxide).

MATERIAL SAFETY DATA SHEET

V 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 Road
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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.