



MATERIAL SAFETY DATA SHEET

EMERGENCY TELEPHONE (All Hours) 1800 033 111

Agricrop Spraybuff 700 Surfactant

Classified as hazardous according to criteria of NOHSC

1. IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Product Name: Agricrop Spraybuff 700 Surfactant
Distributor: Agricrop Pty Ltd
ABN: 84 100 473 309
Street Address: 255 Port Road
Hindmarsh, SA 5007
Telephone: 07 3348 4113
Facsimile: 07 3348 2702
Emergency Telephone Number: 1800 033 111 (all Hours)

Product Uses: Acidifying and penetrating surfactant.
Reduces alkaline hydrolysis of Dimethoate.
Assists with uptake of foliar fertilizers and assists in management of spray droplet size.
Reduces brown-out time for Glyphosate.

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterization	Liquid	
Chemical Entity	CAS NO.	Proportion
Propionic acid	79-09-4	350 g/L
Soyal Phospholipids	8002-43-5	350 g/L
Surfactants		10-30% w/v

3. HAZARDS IDENTIFICATION

Hazard designation: Classified as hazardous according to the criteria of NOHSC
ADG classification: Not classified as a Dangerous Good under the Australian Code for the Transport of Dangerous Goods by Road and Rail
SUSDP Classification: Poisons Schedule S5
Major Health Hazards: Causes burns. Risk of serious damage to eyes.

4. FIRST AID MEASURES

Inhalation Remove affected person to fresh air until recovered. If symptoms develop or persist, seek medical advice.

Ingestion Rinse mouth and then drink plenty of water. 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 (Aust). Make every effort to prevent vomit from entering the lungs by careful placement of the patient.

Skin Wash affected areas thoroughly with soap and water. Remove contaminated clothing and launder before re-use. If irritation persists, seek medical advice.

Eye If in eyes, hold eyelids open and wash with copious amounts of water for at least 15 minutes. Seek medical advice immediately.

First Aid Facilities If poisoning occurs, contact a doctor or Poisons Information Centre on 13 11 26 (Australia).

Advice to Doctor Treat symptomatically.
If vomiting has occurred, vomitus may have been aspirated into the lungs, which may result in lung damage.

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5. FIRE-FIGHTING MEASURES

Extinguishing Media	Choose extinguishing media to suit the burning material.
Specific Hazards	Considered low risk due to water content, however upon evaporation of water the product is combustible.
Hazardous Combustion Products	Non-combustible. If involved in a fire, the dehydrated components may emit oxides of carbon, oxides of nitrogen and minor quantities of phosphorous oxides.
Protective Equipment	Breathable air apparatus should be worn when fighting a fire in which this product is involved.

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal	Contain spill and absorb with clay, sand, soil or proprietary absorbent (such as vermiculite). Collect spilled material and waste in sealable open-top type containers for disposal.
Personal Protection	For appropriate personal protective equipment (PPE), refer Section 8.
Environmental Precautions	Prevent from entering drains, waterways or sewers.

7. HANDLING AND STORAGE

Storage	Store in the closed, original container in a cool, well ventilated area out of direct sunlight.
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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National Exposure Standards	No exposure standard for this product has been set, however, an exposure standard has been set for propionic acid at 30 mg/m ³ .
Personal Protective Equipment	It is good practice to wear suitable personal protective equipment (PPE). When opening the container, preparing spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves and face shield or goggles.
Eng. Controls Hygiene Measures	Handle in well ventilated areas, generally natural ventilation is adequate. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash contaminated clothing and safety equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Dark brown liquid
Odour	Pungent, vinegar-like odour
Solubility in Water	Disperses in water
Specific Gravity	1.022
pH Value	3.6 (1% solution)
Vapour Pressure	0.5 kPa @ 25°C (propionic acid)
Partition co-efficient, n-octanol/water	Kow Log P is 0.25 (propionic acid)
Flammability	Non combustible material
Other Information	pKa is 4.87 (propionic acid)

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Hazardous Polymerisation	Hazardous polymerisation is not possible.
Materials to Avoid	Avoid contact with alkaline materials.

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11. TOXICOLOGICAL INFORMATION

Inhalation	Inhalation of vapours or mists of this material will result in irritation of the nose, throat and lungs. Symptoms may include nasal irritation, sore throat, coughing, hoarseness and, in extreme exposures, breathing difficulties.
Ingestion	Prolonged contact with the concentrate may cause irritation or burns to the mucous membranes.
Skin	Will irritate the skin.
Eye	The concentrate will cause severe irritation and possible damage unless washed off immediately.
Chronic Effects	No information available, no chronic effects expected.
Acute Toxicity - Oral	LD50 (rat) >5000 mg/kg for a similar formulation
Acute Toxicity - Dermal	LD50 (rabbit) >5000 mg/kg for a similar formulation
Acute Toxicity - Inhalation	LC50 (rat) (4hr) >6.04 mg/L for a similar formulation
Eye Irritation	Spraybuff 700 is a severe eye irritant.
Skin Irritation	Severe irritant
Skin Sensitisation	Product is not a skin sensitiser.

12. ECOLOGICAL INFORMATION

Acute Toxicity - Fish	The following is data for the active ingredient, propionic acid. LC50 (96 hr) for bluegill sunfish is 210 mg/L LC50 (96 hr) for rainbow trout is 130 mg/L
Acute Toxicity - Daphnia	LC50 (48 hr) for daphnia is 170 mg/L

13. DISPOSAL CONSIDERATIONS

Product Disposal

On site disposal of the concentrated product is not acceptable. Ideally, the product should be used for its intended purpose. If there is a need to dispose of the product, approach local authorities that hold periodic collections of unwanted chemicals (ChemCollect).

Container Disposal

Triple rinse containers, add rinsate to the spray tank, then offer the container for recycling/reconditioning, or puncture top, sides and bottom and dispose of in landfill in accordance with local regulations.

drumMUSTER is the national program for the collection and recycling of empty, cleaned, non-returnable crop production and on-farm animal health chemical containers. If the label on your container carries the drumMuster symbol, triple rinse the container, ring your local Council, and offer the container for collection in the program.

If no landfill is available, bury the containers below 500mm 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

U.N. Number	None Allocated
DG Class	None Allocated
Hazchem Code	None Allocated
Packing Group	None Allocated
Storage and Transport	Considered non dangerous for transport by the Australian Code for the Transport of Dangerous Goods by Road and Rail.

15. REGULATORY INFORMATION

Risk Phrase	R34 Causes burns R41 Risk of serious damage to eyes
Safety Phrase	S1/2 Keep locked up and out of reach of children S13 Keep away from food, drink and animal feeding stuffs

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S25 Avoid contact with eyes
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S37 Wear suitable gloves
S39 Wear eye/face protection
S45 In case of accident or if you feel unwell seek medical advice immediately

**Poisons Schedule
Packaging &
Labelling**

S5

CAUTION KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

**Hazard Category
AICS (Australia)**

Corrosive
All of the components in this product are listed on the Australian Inventory of Chemical Substances

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 Road, Hindmarsh, SA 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.