

MATERIAL SAFETY DATA SHEET

Herbi Blue - Liquid Dye

1. IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Product Name: Herbi Blue – Liquid Dye
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)

Substance: Blue Dye – Non hazardous Material - Proprietary
Product Use: Blue spray indicator for marking vegetation

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterization

Chemical Entity	CAS No	Proportion
Blue Dye marking compound	N/A	9%

Contains no other components or impurities which will influence the classification with regard to human and environmental risk assessment.

3. HAZARDS IDENTIFICATION

NON HAZARDOUS SUBSTANCE - NON-DANGEROUS GOODS
Not classified as hazardous according to the Australia Dangerous Goods Code.

Risk Phrases: Nil
Safety Phrases: S2 - Keep Out of Reach of Children

4. FIRST AID MEASURES

Inhalation Move to fresh air. Seek medical attention if irritation persists.
Ingestion Seek medical attention
Skin Thoroughly wash affected areas with soap and water.
Eye If in eyes, flush with flowing water for at least 15 minutes. Prolonged or repeated contact may result in mechanical irritation.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing

Media: Foam, alcohol foam, CO₂, dry chemical, water fog.

Special Protective Equipment for fire fighters

This product is an aqueous mixture which will not burn. If evaporated to dryness, the solid residue may pose a moderate fire risk hazard.

Specific Hazards: Not special procedures required besides standard fire fighting practices.

Other Information: Stop fire water from entering drains or water bodies.

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6. ACCIDENTAL RELEASE MEASURES

- Spills & Disposal:** Contain spill with an inert absorbent such as sand or vermiculite. Place in properly closed and labelled container. Dispose of collected material accordingly to local or State regulations.
- Personal Protection:** Use appropriate personal protective equipment (PPE), refer Section 8.
- Environmental Precautions:** Prevent from entering drains, waterways or sewers. This material is a concentrated dye/pigment. Small quantities will colour large volumes.

7. HANDLING AND STORAGE

- Conditions for Safe Storage:**
Avoid breathing fumes. General mechanical ventilation can be expected to effectively remove and prevent build up of any vapour or mist generated from handling this product in a closed environment. Do not freeze. Protect eyes to prevent contact. Avoid prolonged or repeated exposure to skin.
- Other Information:** Keep container dry. Keep containers sealed until ready for use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- National Exposure Standards:** No exposure standards assigned.
- Engineering Controls:** Provide adequate ventilation.
- Personal Protection:** Safety glasses are recommended.
- Use good industrial hygiene. Wear face shield or goggles, elbow length PVC gloves, cotton overalls buttoned to the neck and wrist, washable hat and half face respirator with dust cartridge or canister. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. Clean clothing should be worn daily to avoid long term build up of the product leading to chronic overexposure.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Blue liquid	Odour:	No odour
Boiling point:	n/a	Volatile materials:	n/a
Vapour pressure:	heavier than air	Flashpoint:	n/a
Specific gravity:	~1.1g/mL	Solubility in water:	water soluble
Flammability:	n/a	pH:	n/a

10. STABILITY AND REACTIVITY

- Chemical stability:** This material is chemically stable under normal storage and handling conditions.
- Incompatible Materials:** Long term storage in direct contact with reactive metals such as aluminium, zinc, copper, nickel and magnesium. Other materials to avoid include strong oxidizing agents, inorganic acids and concentrated acids.
- Hazardous Decomposition:** When involved in a fire, burning may evolve noxious fumes, which may include carbon monoxide, carbon dioxide, and nitrous oxides, acetic acid, or other toxic compounds depending on the chemical composition and combustion conditions. However, all of the water must be driven off first for this to occur.
- Hazardous Polymerization:** Is not known to occur.
- Conditions to Avoid:** Extremes in temperature.

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11. TOXICOLOGICAL INFORMATION

Inhalation:	Inhalation may lead to respiratory tract irritation.
Ingestion:	Short term harmful effects are not expected. However may upset gastrointestinal tract and cause diarrhoea.
Chronic Effects:	Overexposure may cause respiratory tract, eye and skin irritation.
Carcinogenicity:	This material is not known to cause cancer in animals or humans.
Acute Toxicity – Oral:	No information available
Acute Toxicity – Inhalation:	No information available
Eye Irritation:	Short term harmful effects are not expected. However mild skin irritation may develop causing itching and redness.
Skin Irritation:	Short term harmful effects are not expected. However mild skin irritation may develop causing itching and redness.

12. ECOLOGICAL INFORMATION

Persistence / Degradability:	No information available
Other Precautions:	No information available
Environmental Protection:	Spray drift should be avoided, read the label for more information.

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 (ChemClear®).

Container Disposal Do not use this container for any other purpose. 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 recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, puncture or shred and bury containers in local authority landfill. 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.

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14. TRANSPORT INFORMATION

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

Poisons Schedule:	None Allocated
Packaging & Labelling:	None Allocated
Hazard Category:	None Allocated
AICS (Australia):	None Allocated

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.