

## Assist Red Dye

Revised: March 2016

### Section 1: SUBSTANCE IDENTIFICATION AND SUPPLIER

<b>Product Name:</b>	<b>ASSIST RED DYE</b>
<b>Recommended Use:</b>	Spray marker dye concentrate
<b>Company Identification:</b>	Ravensdown Limited
<b>Address:</b>	292 Main South Road Hornby Christchurch
<b>Customer Centre:</b>	0800 100 123
<b>National Poisons Information Centre:</b>	0800 POISON (0800 764 766)
<b>Emergency Telephone Number:</b>	0800 CHEMCALL (0800 243 622) (24hr) (Emergencies Only)
<b>Transport Emergency:</b>	IN AN EMERGENCY, DIAL 111 – FIRE or POLICE

### Section 2: HAZARD IDENTIFICATION

<b>Hazard Classifications:</b>	6.1D, 6.9B, 8.2C, 8.3A, 9.1C, 9.2C, 9.3C
<b>Priority Identifiers:</b>	CORROSIVE HARMFUL ECOTOXIC
<b>Secondary Identifiers:</b>	6.1D = May be harmful if swallowed, inhaled or absorbed through the skin 6.9B = May cause organ damage from repeat oral exposure at high doses 8.2C = Product is corrosive and may cause skin burns 8.3A = Product is corrosive and may cause damage to the eye 9.1C = Harmful to aquatic organisms 9.2C = Harmful to the soil environment 9.3C = Harmful to terrestrial vertebrates

### Section 3: COMPOSITION INFORMATION

INGREDIENT	CAS No.	CONTENT
Xanthylum	81-88-9	32%
Lactic Acid	50-21-5	15-25%
Acetic Acid	64-19-7	1-5%

### Section 4: FIRST AID MEASURES

<b>First Aid Measures:</b>	Consult the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor immediately in every case of suspected poisoning.
<b>Inhalation:</b>	Remove patient to fresh air. Lay down and keep warm and rested. If breathing is shallow or has stopped ensure airway is clear and apply resuscitation. Seek medical assistance immediately.
<b>Ingestion:</b>	Never give anything by mouth to an unconscious person. If swallowed DO NOT induce vomiting. For advice, contact the National Poisons Centre on 0800 POISON (0800 764 766). Seek medical assistance immediately.
<b>Skin:</b>	Remove contaminated clothing and wash affected area thoroughly with soap and water. If a large area is affected seek medical assistance.
<b>Eye:</b>	Flush with plenty of water for 15 minutes holding eyelids open if necessary. Call a doctor
<b>Advice to Doctor:</b>	Treat symptomatically.

## Section 5: FIRE FIGHTING MEASURES

<b>Flammability:</b>	Not flammable
<b>Hazardous Combustion</b>	If involved in a fire, may evolve toxic fumes which may include carbon monoxide, carbon dioxide, nitrous oxides, acetic acid.
<b>Extinguishing Media:</b>	Water fog, foam, alcohol foam, carbon dioxide or dry chemical
<b>Protective Equipment:</b>	Full protective clothing and self-contained breathing apparatus
<b>HAZCHEM Code:</b>	2X
<b>Location Certificate:</b>	Not applicable
<b>Hazardous Atmosphere Zone:</b>	Not applicable
<b>Fire Extinguishers:</b>	Not applicable

## Section 6: ACCIDENTAL RELEASE MEASURES

<b>Spills and Disposal:</b>	Wear appropriate protective clothing. Exclude non-essential people from the area. Contain spill and absorb with inert material such as soil, sand or absorbent granules and place in a sealable waste container. Dispose of waste safely in an approved landfill.
<b>Protective Clothing:</b>	For appropriate personal protective equipment see section 8.
<b>Environmental Precaution:</b>	Prevent from entering drains, waterways or sewers. If spill does enter waterways contact local authority.

## Section 7: HANDLING AND STORAGE

<b>Handling:</b>	Keep out of reach of children. Avoid contact with skin, eyes and inhalation of spray mist. <b>Approved Handler:</b> Not required <b>Tracking:</b> Not required <b>Record Keeping:</b> Records of use in accordance with NZS 8409 Management of Agrichemicals must be kept.
<b>Storage:</b>	Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs, fertiliser and seed. Store in accordance with NZS 8409 Management of Agrichemicals  This product is subject to signage and secondary containment when stored in quantities of 1000litres or more, either alone or in aggregate with substances of the same hazard classification. More than 1000litres require emergency response plans. For full details refer to NZS 8409 Management of Agrichemicals and HSNO Regulations (Emergency Management and Identification Regulations).
<b>Other Information:</b>	Always read the label before use. See label for further information on handling and storage.

## Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

<b>Exposure Limits:</b>	No exposure limits have been assigned for this product by OSHA
<b>Protective Equipment:</b>	When opening the container, preparing spray and when contact with concentrate or solution is likely, wear safety goggles, face shield, chemically resistant gloves, cotton overalls buttoned to the neck and wrist, and boots.
<b>Engineering Controls:</b>	Handle in well ventilated area. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below exposure limits. Avoid inhalation of spray mist.
<b>Hygiene Precautions:</b>	Do not eat, drink or smoke while using this product. Remove protective clothing and wash hands and face before meals and after work. Wash protective clothing daily after work.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Red liquid
<b>Odour:</b>	Acetic acid odour
<b>Specific Gravity:</b>	1.05-1.15
<b>Solubility in Water:</b>	Soluble in water

## Section 10: STABILITY AND REACTIVITY

- Stability:** When stored appropriately this product should show no significant degradation for 2 years from the date of manufacture.
- Hazardous Polymerisation:** Not known to occur
- Materials to Avoid:** Avoid contact with strong oxidising agents. Corrosive to metals

## Section 11: TOXICOLOGICAL INFORMATION

- ERMA Classifications:** 6.1D, 6.9B, 8.2C, 8.3A
- Inhalation:** Prolonged inhalation may lead to irritation of the respiratory tract. Severe overexposure may result in severe irritation, difficulty breathing and pulmonary odema.
- Ingestion:** Repeated ingestion of high doses may be harmful to internal organs
- Skin:** Contact with the skin may result in severe skin burns
- Eye:** Contact with the eye may result in serious eye damage. Reddening and possible swelling of the conjunctiva may occur.
- Carcinogenicity:** The International Agency for Research on Cancer (IARC) has determined that xanthylium caused cancer when injected into rats. IARC has placed xanthylium (Rhodamine B) in Group 3 (unclassifiable as to carcinogenicity in humans). In other lifetime feeding studies, xanthylium caused liver tumours in mice and tumours of the thyroid and parathyroid in rats.

## Section 12: ECOLOGICAL INFORMATION

- ERMA Classifications:** 9.1C, 9.2C, 9.3C
- Ecotoxicity:** Harmful to aquatic organisms, the soil environment and terrestrial vertebrates.

## Section 13: DISPOSAL INFORMATION

- Product Disposal:** Dispose of product only by using according to label or at an approved landfill
- Container Disposal:** Triple rinse container and add rinsate to spray tank. Burn in an appropriate incinerator if circumstance, such as wind direction permit. Otherwise crush and bury in an approved landfill. Do not use container for any other purpose.

## Section 14: TRANSPORT INFORMATION

- Road Transport:** Not regulated for New Zealand Transport Rule: NZS 5433:1999

## Section 15: REGULATORY INFORMATION

- ERMA:** Approved pursuant to the HSNO Act 1996, Code: HSR002658  
See [www.epa.govt.nz](http://www.epa.govt.nz) for approval controls.

## Section 16: OTHER INFORMATION

This SDS supersedes all previous versions.

The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material. The information is provided in good faith based on current knowledge and experience. No warranty with regard to the product properties is expressed or implied.