

SAFETY DATA SHEET

VEGI-DYE RED



1. SUBSTANCE IDENTIFICATION

PRODUCT NAME	VEGI-DYE RED
SUPPLIER NAME	Alphakem Global Pty Ltd
ABN	86 621 159 608
SUPPLIER ADDRESS	PO Box 1354, Sunshine West, VIC 3020
SUPPLIER CONTACT DETAILS	+61 3 9314 7256 www.alphakem.com.au
EMERGENCY PHONE	
POISON INFORMATION	13 11 26 (24 hours)
CHEMICAL EMERGENCY	1800 127 406
USE	Liquid marking dye and foam marker colouring agent

2. HAZARDS IDENTIFICATION

Classified as Hazardous according to GHS criteria

GHS CLASSIFICATIONS	Acute oral toxicity Category 4 Skin irritation Category 2 Serious eye damage Category 1 Specific target organ toxicity repeated exposure Category 2 Hazardous to the aquatic environment acute Category 2
SIGNAL WORD	WARNING
PICTOGRAMS	
HAZARD STATEMENTS	H302 Harmful if swallowed. H315 Causes skin irritation. H318 Causes serious eye damage. H373 May cause damage to organs (kidney, liver, blood) through prolonged or repeated exposure. H401 Toxic to aquatic life (acute).
PREVENTION STATEMENTS	P102 Keep out of reach of children. P103 Read carefully and follow all instructions. P260 Do not breathe mist/vapours/spray. P264 Wash face and hands thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P273 Avoid release to the environment. P280 Wear protective gloves / protective clothing / eye protection / face protection.
RESPONSE STATEMENTS	P101 If medical advice is needed, have product container or label on hand. P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. P302 + P352 IF ON SKIN: Wash with plenty of water. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

SAFETY DATA SHEET

VEGI-DYE RED



2. HAZARDS IDENTIFICATION

	<p>P310 Immediately call a POISON CENTER or doctor/physician.</p> <p>P314 Get medical advice/attention if you feel unwell.</p> <p>P330 Rinse mouth.</p> <p>P332 + P313 If skin irritation occurs: Get medical advice/ attention.</p> <p>P362 + P364 Take off contaminated clothing and wash before re-use.</p> <p>P391 Collect spillage.</p>
STORAGE STATEMENTS	See Section 7.
DISPOSAL STATEMENTS	<p>P501 Dispose of contents/ containers in accordance with relevant regulations.</p> <p>See Section 13.</p>

3. COMPOSITION / INFORMATION ON INGREDIENTS

COMMON NAME	CAS NUMBER	CONCENTRATION %w/v
2,2-iminodiethanol	111-42-2	10 – 30%
Non-hazardous ingredients including Diazo dye preparation	Proprietary	Balance to volume

4. FIRST AID MEASURES

For advice call the Poison Information Centre (ph 13 11 26) 24 hours or a doctor. If medical advice is needed have product container or label to hand.

EYE CONTACT	Rinse cautiously for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. Get immediate medical attention.
SKIN (or hair) CONTACT	Remove contaminated clothing and wash skin and hair with plenty of soap and water. If skin irritation occurs, get medical advice/ attention.
INHALATION	Remove to fresh air and keep at rest in a position comfortable for breathing. Apply artificial respiration if not breathing. Call doctor if you feel unwell.
INGESTION	Do NOT induce vomiting. Rinse mouth. Call the Poison Information Centre or a doctor if you feel unwell.
NOTES TO DOCTOR	Treat symptomatically.
FIRST AID FACILITIES	Eye wash facilities and safety shower should be available.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA	Use extinguishing media suitable for surrounding environment. Prevent extinguishing media from entering drains.
THERMAL DECOMPOSITION PRODUCTS	Non-flammable. Thermal decomposition may produce toxic fumes and compounds
SPECIAL FIRE FIGHTING METHODS	Self-contained breathing apparatus with full face-piece and protective clothing. Cool fire exposed containers with water spray.
HAZCHEM CODE	Not applicable

SAFETY DATA SHEET

VEGI-DYE RED



6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Exclude non-essential people from the area. Wear Personal Protective Equipment (PPE) as detailed in Section 8 of the SDS.
ENVIRONMENTAL PRECAUTIONS	Prevent product from entering waterways or drains.
SPILLS AND DISPOSAL	Spills may be slippery and should be cleaned up immediately. Contain spillage, then cover / absorb with inert, non-combustible absorbant material (attapulgate or similar). Collect and place in suitable sealed, labelled containers for disposal. Wash area with water and absorb with further inert material.

7. HANDLING AND STORAGE

PRECAUTIONS FOR HANDLING	Carefully read the label before use. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands and face before eating. Prohibit eating, drinking and smoking in contaminated areas.
STORAGE	Store in original container, tightly closed, in a secure, dry, cool and well-ventilated area and avoid direct sunlight. Store away from foodstuffs, fertilisers or seeds. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS	2,2-iminodiethanol TWA 3ppm / 15 mg/m ³
EYE PROTECTION	Causes serious eye damage. Wear chemical goggles.
RESPIRATORY PROTECTION	Respiratory protection is not required if good ventilation is maintained. Where an inhalation risk exists, or exposure wear a Type A (Organic-Vapour) respirator.
PROTECTIVE CLOTHING	Wear chemical resistant gloves. It is good practice to wear suitable personal protective equipment (PPE). Consult the companion product label for additional instructions on the protective clothing requirements.
ENGINEERING CONTROLS	No special ventilation is required.
HYGIENE PRECAUTIONS	Do not eat, drink or smoke while working with this product. Remove clothing that becomes soaked or contaminated and wash before reuse. Wash hands and face before breaks and after work.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE / STATE/ ODOUR	Red liquid
BOILING POINT	Not Available
DENSITY	Not Available
DECOMPOSITION TEMPERATURE	Not Available.
FLASHPOINT	Not Applicable.
EXPLOSION PROPERTIES	Not Applicable.

SAFETY DATA SHEET

VEGI-DYE RED



9. PHYSICAL AND CHEMICAL PROPERTIES

SOLUBILITY	Soluble in water.
pH	Neutral
SETTING POINT	Not Applicable.
AUTOIGNITION TEMP	Not Applicable.
VAPOUR DENSITY	Not Available.
VAPOUR PRESSURE	Not Available.
VISCOSITY	Not Available.
OCTANOL / WATER PARTITION COEFFICIENT	Not Available

10. STABILITY AND REACTIVITY

STABILITY	Stable under normal conditions.
CONDITIONS TO AVOID	None known.
MATERIALS TO AVOID	Strong acids/bases. Oxidising and reducing agents.
HAZARDOUS DECOMPOSITION PRODUCTS	Hazardous polymerisation will not occur. Thermal decomposition may produce toxic fumes and compounds.

11. TOXICOLOGICAL INFORMATION

ACUTE EFFECTS	No toxicological data is available for the finished product.
ORAL TOXICITY	Harmful if swallowed 2,2-iminodiethanol LD50 (rat) 1600 mg/kg
DERMAL TOXICITY	2,2-iminodiethanol LD50 (rabbit) 12,970 mg/kg
INHALATION TOXICITY	No information
EYE CORROSION / IRRITANCY	Causes serious eye damage.
SKIN CORROSION / IRRITANCY	Causes skin irritation. VEGI-RED DYE will stain the skin which may persist for some time
CHRONIC EFFECTS	
CARCINOGENICITY	No information
REPRODUCTIVE TOXICITY	No information
GERM CELL MUTAGENICITY	No information
ASPIRATION	No information
STOT/SE	No information
STOT/RE	May cause damage to organs (kidney, liver, blood) through prolonged or repeated exposure
NARCOTIC EFFECTS	No information

12. ECOLOGICAL INFORMATION

TOXICITY	Toxic to aquatic life.
----------	------------------------

SAFETY DATA SHEET

VEGI-DYE RED



12. ECOLOGICAL INFORMATION

PRECAUTIONS	This product must not be intentionally applied directly into or onto water. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the area of application. Avoid contamination of any waterways with product or empty container.
ECOTOXICITY INFORMATION	2,2-iminodiethanol EC50 (Pseudokirchneriella subcapitata, 96hr) 12 mg/L LC50 (Ceriodaphnia dubia-neonate, 48hrs) 28.8 mg/L LC50 (Daphnia pulex, 48hrs) 2.15 mg/L LC50 (Pimephales promelas, 96hrs) 100 mg/L
BIOACCUMMULATIVE	No
READILY DEGRADABLE	Yes

13. DISPOSAL CONSIDERATIONS

Do not contaminate streams, rivers or waterways with the chemical or the used container.	
PRODUCT DISPOSAL	Dispose of by using product as intended, according to the label directions. If this is not possible, contact your supplier or chemical recycling facility. Consult your local authority for disposal.
CONTAINER DISPOSAL	Triple rinse container and add residue to spray tank. Do NOT burn. Do not use the container for any other purpose. Dispose at an approved landfill.

14. TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD ACCORDING TO THE AUSTRALIAN CODE OR THE TRANSPORT OF DANGEROUS GOODS BY ROAD AND RAIL.

15. REGULATORY INFORMATION

APVMA REGISTRATION	Exempt
POISON SCHEDULE	Not scheduled
INVENTORY	Australian Inventory of Chemical Substances.
STATUS	Components Listed

16. OTHER INFORMATION

SDS ISSUE DATE	18 September 2024
SDS REVIEW DATE	September 2027
REFERENCES	Supplier SDS Safe Work Australia – Workplace Exposure Standards Australian Pesticides and Veterinary Medicines Authority
ABBREVIATIONS	

SAFETY DATA SHEET

VEGI-DYE RED



16. OTHER INFORMATION

APVMA	Australian Pesticides and Veterinary Medicines Authority
CAS Number	Chemical Abstract Service Number - used to uniquely identify chemical compounds
g/L	Grams per litre
GHS	Globally Harmonised System
HSNO	Hazardous Substances and New Organisms
LC50	Lethal Concentration, 50% / Median Lethal Concentration
LD50	Lethal Dose, 50% / Median Lethal Dose
mg/m ³	Milligrams per cubic metre
STEL	Short Term Exposure Limit
WES	Workplace Exposure Standard
IMDG	International Maritime Dangerous Goods
IATA	International Air Transport Association
TLV	Threshold Limit Value
TWA	Time Weighted Average
OEL	Occupational Exposure Limit

The data given here is based on current knowledge and experience. The purpose of this safety data sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products properties.

End of Safety Data Sheet