

Safety Data Sheet

Revision Date: 11-Oct-2017

Version: 1

Section 1: IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Identifier:

Product Name: Universol Violet 10-4-25

Product ID: 20390225AU

Other Means of Identification:

Proper shipping name Oxidizing solid, N.O.S.

UN Number 1479

Recommended Use of the Chemical and Restrictions on Use:

Recommended Use: Fertilizer. Restricted to professional users.

Details of manufacturer or importer

Manufacturer

Everris Australia Pty Ltd, 211/33 Lexington Drive, Bella Vista, NSW 2153, Australia. Tel: +61(2) 8801 3300

Emergency Telephone Numbers:

Australia: (02) 8014 4558

New Zealand: (09) 9929 1483

Section 2: HAZARD(S) IDENTIFICATION

GHS - Classification

Mixture

Oxidizing solids	Category 3 - (H272)
Serious eye damage/eye irritation	Category 1 - (H318)

Label elements



Signal word

Danger

Hazard statements

H272 - May intensify fire; oxidizer

H318 - Causes serious eye damage

Precautionary Statements - Prevention

P280 - Wear eye protection/ face protection

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P310 - Immediately call a POISON CENTER or doctor/physician

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
 P221 - Take any precaution to avoid mixing with combustibles

Other hazards
Section 3: COMPOSITION AND INFORMATION ON INGREDIENTS IN ACCORDANCE WITH SCHEDULE 8
Substance

Chemical Name	CAS No	EC-No.	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number
Potassium Nitrate; KNO ₃	7757-79-1	231-818-8	30 - 60%	Ox. Sol. 3 (H272)	01-2119488224-35
Potassium sulphate; K ₂ SO ₄	7778-80-5	231-915-5	10 - 30%	Eye Dam. 1 (H318)	01-2119489441-34
Ureaphosphate	4861-19-2	225-464-3	1 - 5%	Skin Corr. 1B (H314)	01-2119489460-34

32% of the other ingredients are determined not be hazardous.

Section 4: FIRST AID MEASURES
First Aid Measures:

General advice	First aid measures should be executed by trained personnel only.
Inhalation	Remove to fresh air. In the case of inhalation of aerosol/mist consult a physician if necessary. Possible symptoms are coughing and/or dyspnoea. If breathing is difficult, give oxygen.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin Contact	Wash skin with soap and water. Get medical attention if irritation develops and persists.
Ingestion	Clean mouth with water and drink afterwards plenty of water. Possible symptoms are nausea and/or vomiting. If a person vomits when lying on his back, place him in the recovery position. Do not induce vomiting without medical advice. Consult a physician if necessary.

Most Important Symptoms and Effects (Acute and Chronic):

Symptoms No information available.

Indication of Any Immediate Medical Attention and Special Treatment Needed:

Note to physicians Treat symptomatically.

Section 5: FIREFIGHTING MEASURES
Suitable Extinguishing Media

Suitable Extinguishing Media Flooding quantities of water.

Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams.

Specific hazards arising from the chemical Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Special protective actions for fire-fighters

Special protective equipment for fire-fighters Coordinate fire extinguishing measures to fire in surrounding area.

Hazchem code 1Y

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Personal precautions Ensure adequate ventilation. Avoid generation of dust. Use personal protective equipment as required.

For emergency responders Use personal protection recommended in Section 8.

Environmental Precautions:

Environmental precautions Do not flush into surface water or sanitary sewer system. Prevent product from entering drains. See Section 12 for additional Ecological Information.

Methods and Material for Containment and Cleanup:

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Use appropriate personal protective equipment (PPE). Carefully shovel or sweep up spilled material and place in suitable container. Avoid generating dust.

Section 7: HANDLING AND STORAGE, INCLUDING HOW THE CHEMICAL MAY BE SAFELY USED

Precautions for Safe Handling:

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Use personal protection equipment.

Conditions for Safe Storage, Including any Incompatibilities:

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep container closed when not in use. Protect from sunlight. Keep at a temperature not exceeding 40 °C.

Incompatible materials None known based on information supplied.

Section 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control Parameters:

Potassium Nitrate; KNO₃

Australia

> 10 mg/m³

Appropriate Engineering Controls:

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Individual Protection Measures, Such as Personal Protective Equipment:

Eye/face Protection Wear safety glasses with side shields (or goggles).

Skin and body protection Lightweight protective clothing.

Hand Protection No information available.

Environmental exposure controls Do not allow into any sewer, on the ground or into any body of water.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties:

Physical State: Solid
Appearance: Powder(s)
Color: Off-white
Odor: Not significant.
Odor Threshold: No information available
Bulk Density: 1000 - 1200 kg/m³

pH: 4-5 (200g/l)

Melting Point/Freezing Point: No information available
Boiling Point/Range: Solid, not applicable
Flash Point: No information available
Evaporation Rate: No information available
Flammability (solid, gas): Non-flammable
Vapor Pressure: Solid, not applicable
Vapor Density: Solid, not applicable
Water Solubility: Soluble in water
Partition Coefficient: Solid, not applicable
Autoignition Temperature: No information available
Decomposition Temperature: No information available
Kinematic Viscosity: No information available
Dynamic Viscosity: No information available

Other Information:

Softening Point: No information available
Molecular Weight: No information available
VOC Content (%): No information available
Bulk Density: 1000 - 1200 kg/m³
particle size
Particle Size Distribution

Section 10: STABILITY AND REACTIVITY

Reactivity: Not reactive.

Chemical Stability: Stable under normal conditions.

Possibility of Hazardous Reactions:

Possibility of hazardous reactions None under normal processing.

Hazardous Decomposition Products: Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Conditions to Avoid:

Conditions to avoid For quality reasons: Keep out of reach of direct sunlight, store under dry conditions, partly used bags should be closed well.

Incompatible Materials:

Incompatible materials None known based on information supplied.

Hazardous Decomposition Products:

Hazardous Decomposition Products: None known based on information supplied.

Section 11: TOXICOLOGICAL INFORMATION

Acute Toxicity

Information on the Likely Routes of Exposure (inhalation, ingestion, skin and eye contact):

Product Information

- Inhalation** May cause irritation of respiratory tract.
- Eye contact** May cause irritation.
- Skin Contact** May cause irritation.
- Ingestion** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea

Symptoms No information available.

Numerical Measures of Toxicity - Product Information:

Unknown acute toxicity 0 % of the mixture consists of ingredient(s) of unknown toxicity

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Potassium Nitrate; KNO ₃	= 3015 mg/kg (Rat)	> 2000 mg/kg	> 527 mg/m ³
Potassium sulphate; K ₂ SO ₄	= 6600 mg/kg (Rat)	> 2000 mg/kg (Rat)	-
Ureaphosphate	2600 mg/kg	-	-

See section 16 for terms and abbreviations

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure:

- skin corrosion/irritation** No information available.
- Serious eye damage/eye irritation** No information available.
- Respiratory or skin sensitization** No information available.
- Germ Cell Mutagenicity** No information available.
- Carcinogenicity** No information available.
- Reproductive Toxicity** No information available.
- STOT - Single Exposure** No information available.
- STOT - Repeated Exposure** No information available.
- Aspiration Hazard** No information available.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity Do not allow product to enter the environment uncontrolled.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to	Crustacea

			Microorganisms	
Potassium sulphate; K ₂ SO ₄	2900: 72 h Desmodesmus subspicatus mg/L EC50	653: 96 h Lepomis macrochirus mg/L LC50 3550: 96 h Lepomis macrochirus mg/L LC50 static 510 - 880: 96 h Pimephales promelas mg/L LC50 static	-	890: 48 h Daphnia magna mg/L EC50

Persistence and degradability

Persistence and Degradability: No information available.

Bioaccumulative potential

Bioaccumulation: No information available.

Mobility

Mobility in soil No information available.

Mobility No information available.

Other adverse effects

Mobility: No information available.

Section 13: DISPOSAL CONSIDERATIONS

Waste Treatment Methods:

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

Section 14: TRANSPORT INFORMATION

ADR/RID:

UN Number 1479
Proper shipping name Oxidizing solid, N.O.S.
Hazard Class 5.1
Packing Group III
Special Provisions 274

Hazchem code 1Y

IATA

UN-No: 1479
Proper shipping name: Oxidizing Solid, N.O.S
Hazard Class: 5.1
Packing group: III
Special Provisions A3

IMO / IMDG

UN-No: 1479
Proper shipping name: Oxidizing Solid, N.O.S.
Hazard Class: 5.1

Packing group: III
 EmS: F-A / S-Q
 Special Provisions 223, 274, 900
 Marine Pollutant: Not regulated

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
 No information available



Section 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations

Australia

See section 8 for national exposure control parameters

International Inventories:

TSCA	This product does not comply with USINV
DSL/NDSL	DSL/NDSL
EINECS/ELINCS	EINECS/ELINCS
ENCS	This product does not comply with encs:
CHINA	This product does not comply with china:
KOREA	KOREA
PICCS	PICCS
Australian Inventory of Chemical Substances	This product does not comply with AICS

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

International Regulations

Ozone-depleting substances (ODS) Not applied

Persistent Organic Pollutants Not applied

The Rotterdam Convention Not applied

Section 16: ANY OTHER RELEVANT INFORMATION

Revision Date: 11-Oct-2017

Revision Note:

Not applied.

Key or legend to abbreviations and acronyms used in the safety data sheet**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of Safety Data Sheet