

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1 Product identifier

Product name ULTRA12 FOLIAR
Synonym(s) ULTRA12 FOLIAR

1.2 Uses and uses advised against

Use(s) FERTILISER ◆ LIQUID FERTILISER

1.3 Details of the supplier of the poduct

Supplier name RURAL LIQUID FERTILISERS PTY LTD

Address 1/61 Dowd Street, Welshpool, WA, 6106, AUSTRALIA

Telephone (08) 9334 8700; 1800 753 000

 Fax
 (08) 9334 8711

 Email
 info@rlf.com.au

Website http://www.ruralliquidfertilisers.com

1.4 Emergency telephone number(s)

Emergency Poisons Information Centre: 13 11 26

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

CLASSIFIED AS HAZARDOUS ACCORDING TO AUSTRALIAN WHS REGULATIONS

GHS classification(s) Serious Eye Damage / Eye Irritation : Category 2A

Skin Corrosion/Irritation: Category 2

2.2 Label elements

Signal word WARNING

Pictogram(s)



Hazard statement(s)

H315 Causes skin irritation.
H319 Causes serious eye irritation.

Prevention statement(s)

P264 Wash thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response statement(s)

P302 + P352 IF ON SKIN: Wash with plenty of soap and 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.

P321 Specific treatment is advised - see first aid instructions.

P332 + P337 + P313 If skin or eye irritation occurs: Get medical advice/attention.

P362 Take off contaminated clothing and wash before re-use.

Storage statement(s)

Disposal statement(s)

None allocated.

None allocated.

2.3 Other Hazards No information provided.













3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances / Mixtures

ngredient	CAS Number	EC Number	Content
PHOSPHORIC ACID	7664-38-2	231-633-2	5 to 10%
DISODIUM OCTABORATE TETRAHYDRATE	12280-03-4	602-894-3	<1%
DISODIUM TETRABORATE DECAHYDRATE	1303-96-4	215-540-4	<0.2%
NON HAZARDOUS INGREDIENTS	Not Available	Not Available	Remainder

4. FIRST AID MEASURES

4.1 Description of first aid measures

Eye If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until

advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.

Inhalation If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.

Skin If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running

water. Continue flushing with water until advised to stop by a Poisons Information Centre

or a doctor.

Ingestion For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor

(at once).

First aid facilities No information provided.

4.2 Most important symptoms and

effects, both acute and delayed

4.3 Immediate medical attention and special treatment needed See Section 11 for more detailed information on health effects and symptoms.

Treat symptomatically.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing mediaUse an extinguishing agent suitable for the surrounding fire.

5.2 Special hazards arising from the

substance or mixture

Non flammable. May evolve toxic gases if strongly heated.

5.3 Advice for firefightersNo fire of explosion hazard exists.

5.4 Hazchem code None allocated.

6. ACCIDENTAL RELEASE MEASURES

emergency procedures

6.1 Personal precautions, Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS. protective equipment and

6.2 Environmental precautions Prevent product from entering drains and waterways.

6.3 Methods of cleaning up Contain spillage, then cover / absorb spill with non-combustible absorbent material (vermiculite,

sand, or similar), collect and place in suitable containers for disposal.

6.4 Reference to other sectionsSee Sections 8 and 13 for exposure controls and disposal.













7. HANDLING AND STORAGE

7.1 Precautions for safe handling Before use carefully read the product label. Use of safe work practices are recommended to

avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing

hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

7.2 Conditions for safe storage,

including any incompatibilities

Store in a cool, dry, well ventilated area, removed from incompatible substances.

7.3 Specific end use(s) No information provided.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Exposure standards

Ingredient	Reference	TWA		STEL	
		ppm	mg/m³	ppm	mg/m³
Borates, tetra, sodium salts (decahydrate)	SWA (AUS)		5) }	
Phosphoric acid	SWA (AUS)	0220	1	1447	3

Biological Limits No biological limit values have been entered for this product.

8.2 Exposure controls

Engineering controls Avoid inhalation. Use in well ventilated areas. Maintain vapour levels below the recommended

exposure standard.

PPE

Eye / FaceWear splash-proof goggles.HandsWear PVC or rubber gloves.

Body When using large quantities or where heavy

contamination is likely, wear coveralls.

Respiratory Not required under normal conditions of use.





9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance TRANSLUCENT GREEN LIQUID

Odour MILD, SWEET, ALCOHOL LIKE ODOUR

Flammability
NON FLAMMABLE
Flash point
NOT RELEVANT
Boiling point
NOT AVAILABLE
Melting point
NOT AVAILABLE
Evaporation rate
NOT AVAILABLE

pH 2.3 to 2.8 (1% aqueous solution)

Vapour densityNOT AVAILABLESpecific gravity1.502 to 1.522Solubility (water)SOLUBLEVapour PressureNOT AVAILABLEUpper explosion limitNOT RELEVANTLower explosion limitNOT RELEVANT













Partition coefficient NOT AVAILABLE
Autoignition temperature NOT AVAILABLE
Decomposition temperature NOT AVAILABLE

9.1 Information on basic physical and chemical properties
Viscosity NOT AVAILABLE
Explosive Properties NOT AVAILABLE
Oxidising Properties NOT AVAILABLE
Odour Threshold NOT AVAILABLE

9.2 Other information

Density 1.50 to 1.52 kg/L @ 20°C

10. STABILITY AND REACTIVITY

10.1 Reactivity Carefully review all information provided in sections 10.2 to 10.6.

10.2 Chemical stability Stable under recommended conditions of storage.

10.3 Possibility of hazardous reactions Polymerization is not expected to occur.

10.4 Conditions to avoid Avoid heat, sparks, open flames and other ignition sources.

10.5 Incompatible materials Incompatible with combustible materials, and reducing agents (e.g. sulphites).

10.6 Hazardous decomposition products May evolve toxic gases if heated to decomposition.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity Information available for the product:

Based on available data, the classification criteria are not met.

Information available for the ingredient(s):

Ingredient	Oral Toxicity (LD50)	Dermal Toxicity (LD50)	Inhalation Toxicity (LC50)	
PHOSPHORIC ACID	1530 mg/kg (rat)	2740 mg/kg (rabbit)		
DISODIUM TETRABORATE DECAHYDRATE	2000 mg/kg (mouse)	02	i i	

Skin Irritating to the skin. Contact may result in irritation, redness, rash and dermatitis.

Eye Irritating to the eyes. Contact may result in irritation, lacrimation, pain and redness.

Sensitisation Not classified as causing skin or respiratory sensitisation.

MutagenicityNot classified as a mutagen.CarcinogenicityNot classified as a carcinogen.

ReproductiveWhilst there is sufficient evidence to classify borates as a reproductive toxin, the content is below

that to require classification.

STOT - single exposure Over exposure may result in irritation of the nose and throat, with coughing.

STOT – repeated exposure Not classified as causing organ damage from repeated exposure.

Aspiration Not classified as causing aspiration.













12. ECOLOGICAL INFORMATION

12.1 Toxicity No information provided.

12.2 Persistence and degradability No information provided.

12.3 Bioaccumulative potential No information provided.

12.4 Mobility in soil No information provided.

12.5 Other adverse effects Plant nutrients may be beneficial to plants at low levels, however high levels may cause reduced

growth or burns in sensitive species. Excess may be washed through soil to waterways. Nutrients released to waterways may cause algal blooms, with potential for toxic effects on

aquatic organisms.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste disposal Dispose of to an approved landfill or waste processing site. Contact the manufacturer/supplier

for additional information (if required).

Legislation Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE, IMDG OR IATA

	LAND TRANSPORT (ADG)	SEA TRANSPORT (IMDG / IMO)	AIR TRANSPORT (IATA / ICAO)
14.1 UN Number	None Allocated	None Allocated	None Allocated
14. 2 Proper Shipping Name	None Allocated	None Allocated	None Allocated
14.3 Transport hazard class	None Allocated	None Allocated	None Allocated
14.4 Packing Group	None Allocated	None Allocated	None Allocated

14.5 Environmental hazards No information provided

14.6 Special precautions for user

Hazchem code None Allocated













15. REGULATORY INFORMATION

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

Poison schedule A poison schedule number has not been allocated to this product using the criteria in the

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Classifications Safework Australia criteria is based on the Globally Harmonised System (GHS) of Classification

and Labelling of Chemicals.

The classifications and phrases listed below are based on the Approved Criteria for Classifying

Hazardous Substances [NOHSC: 1008(2004)].

Hazard codes Xi Irritant

Risk phrases R36/38 Irritating to eyes and skin.

Safety phrases S24/25 Avoid contact with skin and eyes.

Inventory listing(s) AUSTRALIA: AICS (Australian Inventory of Chemical Substances)

All components are listed on AICS, or are exempt.

16. OTHER INFORMATION

Additional information

EXPOSURE STANDARDS - TIME WEIGHTED AVERAGES:

Exposure standards are established on the premise of an 8 hour work period of normal intensity, under normal climatic conditions and where a 16 hour break between shifts exists to enable the body to eliminate absorbed contaminants. In the following circumstances, exposure standards must be reduced: Strenuous work conditions; hot, humid climates; high altitude conditions; extended shifts (which increase the exposure period and shorten the period of recuperation).

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:

The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

HEALTH EFFECTS FROM EXPOSURE:

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.













Abbreviations ACGIH American Conference of Governmental Industrial Hygienists

CAS # Chemical Abstract Service number - used to uniquely identify

chemical compounds

CNS Central Nervous System

EC No - European Community Number

EMS Emergency Schedules (Emergency Procedures for Ships Carrying

Dangerous Goods)

GHS Globally Harmonized System

GTEPG Group Text Emergency Procedure Guide

IARC International Agency for Research on Cancer

LC50 Lethal Concentration, 50% / Median Lethal Concentration

LD50 Lethal Dose, 50% / Median Lethal Dose

mg/m³ Milligrams per Cubic Metre

OEL Occupational Exposure Limit

pH relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14

(highly alkaline).

ppm Parts Per Million

STEL Short-Term Exposure Limit

STOT-RE Specific target organ toxicity (repeated exposure)
STOT-SE Specific target organ toxicity (single exposure)

SUSMP Standard for the Uniform Scheduling of Medicines and Poisons

SWA Safe Work Australia
TLV Threshold Limit Value
TWA Time Weighted Average

Twa Time Weighted Average

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Revision: 1

SDS Date: 23 December 2015

End of SDS



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