



1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name FAST TRACE COPPER LIQUID FERTILISER

Other Names Liquid fertiliser, Fluid fertiliser, Solution fertiliser

Uses Liquid fertiliser
Chemical Family No Data Available
Chemical Formula No Data Available
Chemical Name No Data Available
Product Description No Data Available

Contact Information Australia Location Telephone Ask For

Rural Liquid Fertilisers Pty Ltd 61 Dowd Street +61 1800 753 000 Technical Officer

Welshpool WA 6106

2. HAZARDS IDENTIFICATION

ADG Code Non-Dangerous Goods according to the criteria of the Australian Dangerous Goods Code (ADG

Code). Goods are IATA Non-Dangerous.

Hazardous Substance Fast Trace Copper Liquid Fertiliser is not classified as hazardous according to Safe Work

Australia criteria.

3. COMPOSITION / INFORMATION ON INGREDIENTS

CONTAINS ELEMENTS

Copper (Cu) Sulphur (S)

4. FIRST AID MEASURES

Description of necessary measures according to routes of exposure:

Swallowed If person is conscious, rinse mouth thoroughly with water immediately and give water or milk to

drink. Induce vomiting only if conscious. Seek medical assistance, if more than a small quantity

has been swallowed, or if there is pain, or difficulty with swallowing.

Eyes Flush gently with running water for at least 15 minutes lifting lower and upper eyelids

occasionally. Seek medical attention if irritation develops.

Skin Gently flush affected areas with water. Seek medical attention if irritation develops. Remove all

contaminated clothing and launder before re-use.

Inhaled If over exposure occurs remove affected person to a well ventilated area. Keep warm and at rest.

In emergency situations, if breathing is difficult give oxygen. If the affected person suffers cardiac arrest commence cardio-pulmonary resuscitation immediately. Seek urgent

medical attention.

Advice to Doctor No special treatment is indicated. Treat symptomatically.













5. FIRE FIGHTING MEASURES

Flammability Conditions

Non flammable and does not support combustion.

Extinguishing Media

Extinguish fires with a large amount of water.

Personal Protective Equipment
No Data Available
Flash Point
No Data Available
Lower Explosion Limit
No Data Available
Upper Explosion Limit
No Data Available
Auto Ignition Temperature
No Data Available
Hazchem Code
No Data Available

6. ACCIDENTAL RELEASE MEASURES

Containment and Clean Up

Any spillage should be contained promptly with sand, earth or vermiculite. Recover contained

product and recycle. Absorb remaining product in sand, earth or vermiculite. Wash down area

and prevent run-off into drains, sewers, or waterways.

7. HANDLING AND STORAGE

Handling Keep away from copper, zinc, or their alloys, aluminum, or its alloys, mild steel, or concrete

when transporting.

Storage Store in a dedicated clean tank. Avoid contamination with any chemical. Avoid evaporation of

water from the liquid fertiliser. Store away from incompatible materials, which include strong

acids, hypochlorites, bleach, pool chlorine, or chlorine based cleaning products.

8. EXPOSURE CONTROLS / PROTECTION

Exposure Limits No exposure standards allocated.

Personal Protective Equipment Wear rubber or PVC gloves to prevent skin contact. Where mist is a problem use a P2 type

canister Respirator. Wear PVC jacket and pants to prevent contact. Wear chemical safety glasses

to prevent eye contact.

Engineering ControlsUse in well ventilated areas. Avoid high mist concentration.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical StateLiquidAppearanceBlue LiquidOdourOdourlessColourBluepH of 5% solution1.2 to 1.6

Vapour Pressure Does not exert significant vapour pressure.

Relative Vapour Density No Data Available

Boiling/Melting Point >100 C

Freezing Point No Data Available
Evaporation Rate No Data Available

Solubility Miscible in all proportions with water.

Specific Gravity 1.40

Volatile Percent No Data Available Flammability Not Flammable

Flash Point Not relevant, does not give off flammable vapours.

Auto Ignition Temp No Data Available













10. STABILITY AND REACTIVITY

Reactivity Fast Trace Copper Liquid Fertiliser is not compatible with copper, zinc, or their alloys (i.e.

bronze, brass, galvanised metals, etc.), aluminum, mild steel and concrete. Do not use the above materials of construction in handling systems, or storage containers for **Fast Trace Copper**

Liquid Fertiliser.

11. TOXICOLOGICAL INFORMATION

General Information Fast Trace Copper Liquid Fertiliser has low toxicity. Use safe work practices to avoid eye or

skin contact and mist inhalation. Prolonged or repeated exposure may cause drying of the skin

with cracking and irritation that may lead to dermatitis.

Target Organs Respiratory system, eyes and skin. Routes of Entry: Ingestion or Inhalation.

Eye Irritant May cause irritation, redness and pain following contact.

Ingestion Presents moderate toxicity, unless large amounts are ingested. Large amounts give rise to

gastro-intestinal irritation, with symptoms such as nausea, vomiting and diarrhea. Large amounts may also cause dilation of blood vessels by direct smooth muscle relaxation and methaemoglobinaemia (excessive conversion of haemoglobin to methaemoglobin, which is incapable of binding and carrying oxygen - methaemoglobin is formed when iron in the haem molecule is oxidised from the ferrous to the ferric state). Symptoms include dizziness, abdominal

pain, vomiting, bloody diarrhea, weakness convulsions and collapse.

Inhalation High mist concentration of air-borne material may cause irritation to the nose and upper

respiratory tract. Symptoms may include coughing and sore throat. Prolonged exposure may

be harmful.

Skin Irritant Prolonged contact may cause some irritation, including redness and itching. No harmful effects

from skin contact have been reported.

12. ECOLOGICAL INFORMATION

Environment It is not anticipated to cause any adverse effects to plants or animals.

13. DISPOSAL CONSIDERATIONS

Disposal Methods and ContainersDispose of on a farm, or authorised waste facility in accordance with statutory requirements.

Contact the manufacturer if additional information is required.

Legislation Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION

ADG Code Non-Dangerous Goods according to the criteria of the Australian Dangerous Goods Code (ADG

Code). Goods are IATA Non-Dangerous.

15. REGULATORY INFORMATION

Poisons Schedule N/A

EPG N/A

AICS Name N/A

NZ Toxic Substance N/A

HSNO Hazard Classification N/A

ERMA Approval Code N/A













16. OTHER INFORMATION

Key/Legend NOHSC National Occupational Health and Safety Commission

SUSDP Standard for the Uniform Scheduling of Drugs and Poisons
ACGIH American Conference of Government Industrial Hygienists

ES-TWA Exposure Standard – Time weighted average
ES-STEL Exposure Standard – Short term exposure level

ES-Peak Exposure Standard – Peak level

LD Lo The lowest dose in an animal study in which lethality occurred

LD 50 LD50 Lethal dose 50. The single dose of a substance that causes the death of 50%

of an animal population from exposure to the substance by any route other

than inhalation

TD Lo The lowest dose of a substance known to have produced signs of toxicity

TC Lo Lowest published toxic concentration
LC Lo Lowest published lethal concentration

Lethal concentration that kills 50% of an animal population within a specified time

t/m³ Tonnes per cubic metre
mg/m³ Milligrams per cubic metre
mg/kg Milligrams per kilogram

pH relates to hydrogen ion concentration - this value will relate to a scale of 0 - 14,

where 0 is highly acidic and 14 is highly alkaline

Disclaimer

This document has been prepared by Rural Liquid Fertilisers (RLF), and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue.

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End of SDS







