



Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Agri-Fos Systemic Fungicide™
Synonyms: -
Product Type: Systemic fungicide
EPA Reg. No: 71962-1
Company Name: Liquid Fertiliser Pty, Ltd
Company address: 2 Hovey Rd
Yatala QLD 4207 Australia
Company number: 320-222-3026
Emergency contact: National Poison Control – 1-800-222-1222
911
Date of Issue: 09 October 2012

2. HAZARD IDENTIFICATION

This product is not considered as a dangerous good.

Warning Statements (Risk and Safety Phrases):

R20/21/22 = Harmful by inhalation, in contact with skin and if swallowed
R36 = Irritating to eyes

(S1/2) = Keep locked up and out of the reach of children

S23 = Do not breathe vapor/spray

S24/25 = Avoid any inhalation, contact with skin and eyes. Wear suitable protective clothing and gloves

S26 = In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S27/28 = After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water

S29 = Do not empty into drains

S36/37/39 = Wear suitable protective clothing, gloves and eye/face protection

3. INFORMATION ON INGREDIENTS

This is a proprietary fertiliser formulation and all ingredients as formulated are determined not to be hazardous according to the criteria of WorkSafe Australia.

Component	CAS No	Concentration
Mono & Di potassium salts of phosphorous acid	13977-65-6 & 13492-26-7	more than 400 g/L

4. FIRST AID MEASURES

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.



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If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

If inhaled: Move the person to fresh air. If the person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.

If swallowed: Call a poison control center or doctor immediately for treatment advice. Have the person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

Have the product container or label with you when calling a poison control centre or doctor or going for treatment.

5. FIRE FIGHTING MEASURES

This is not a flammable material.

Flash Point: Not available

Auto-ignition Temperature: Not available

Flammability Limits: Not available

Special Fire Fighting Procedures: Fire-fighters should wear approved self-contained breathing apparatus and full fire-fighting turn out gear. Dike area to prevent runoff and contamination of water sources. Suitable for most extinguishing media.

Hazardous Decomposition Materials (Under Fire Conditions): This is not a flammable product. In smoke or fumes wear self contained breathing apparatus. Advise fire brigade of any hazards.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear appropriate protective gear for the situation. See Personal Protection information in Section 8.

Environmental Precautions: Prevent material from entering public sewer systems or any waterways. Do not flush to drain. Large spills to soil or similar surfaces may necessitate removal of topsoil. The affected area should be removed and placed in an appropriate container for disposal.

Methods for Containment: Dike spill using absorbent or impervious materials such as earth, sand or clay. Collect and contain contaminated absorbent and dike material for disposal.

Methods for Cleanup and Disposal: Pump any free liquid into an appropriate closed container. Collect washings for disposal. Decontaminate tools and equipment following cleanup. See Section 13.

Other Information: Large spills may be reportable to the state and/or local regulatory agencies.



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7. HANDLING AND STORAGE

Handling: Avoid breathing vapor or spray mist. Avoid contact with eyes, skin or clothing. Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if product gets inside. Then wash thoroughly and put on clean clothing. Remove Personal Protective Equipment (PPE) immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Storage: This product should be stored in its original container in a cool, dry place out of reach of children and out of direct sunlight. Store away from strong oxidants, combustible materials, herbicides and fungicides. Do not use or store near open flame and heat source. Do not contaminate water, food or feed by storage or disposal. If transfer to another container becomes necessary, ensure that the container is clearly labelled, the container is a type suitable for the product, and is clean and free of other materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal Protective Equipment (PPE):

Eye/Face Protection: To avoid contact with eyes, wear chemical goggles or shielded safety glasses. An emergency eyewash or water supply should be readily accessible to the work area.

Skin Protection: To avoid contact with skin, wear long pants, long-sleeved shirt, socks, shoes and chemical-resistant gloves. An emergency shower or water supply should be readily accessible to the work area.

Respiratory Protection: Not applicable.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear blue liquid
Boiling Point:	105.5°C
Solubility in Water:	Soluble
Specific Gravity	1.34 – 1.36
pH:	5.5 – 6.0
Evaporation Rate:	Not available
Vapor Density:	Not available
Vapor Pressure:	Not available

Note: Physical data are typical values but may vary from sample to sample. A typical value should not be construed as a guaranteed analysis or as a specification.

10. STABILITY AND REACTIVITY

Chemical Stability: This material is stable under normal handling and storage conditions.

Conditions to avoid: Excessive heat. Do not store near heat or flame.



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Avoid contact with:

1. Strong bases
2. Strong oxidising agents – may decompose
3. Metals – is corrosive to most

11. TOXICOLOGICAL INFORMATION

Toxicological Data: Data from laboratory studies on this product are summarized below:

Oral:	LD ₅₀ > 2000 mg/kg (in rats)
Dermal:	LD ₅₀ > 5050 mg/kg (in rabbits)
Inhalation:	LC ₅₀ > 2.02 mg/L (in rats)
Eye Irritation:	Non irritant according to EEC labelling regulations (in rabbit)
Skin Irritation:	Non irritant according to EEC labelling regulations (in rabbit)
Skin Sensitization:	Did not elicit a sensitizing reaction (in guinea pigs)

Mutagenicity: A *Salmonella typhimurium*/*Escherichia coli* plate incorporation mutation assay was conducted and the study was negative

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Acute toxicity to the rainbow trout 96-hour LC₅₀ > 100 mg/L

Soil Adsorption / Mobility: Not available

13. DISPOSAL CONSIDERATIONS

Non-refillable container: Do not reuse or refill this container. Offer for recycling if available. If partly filled: call your local solid waste agency or 1-800-CLEANUP (1-800-253-2687) for disposal instructions. Never place unused product down any indoor or outdoor drain.

14. TRANSPORTATION INFORMATION

This product is not considered as a dangerous good and is not subject to the provisions of the U.S. Department of Transportation (DOT), IMDG (sea) and IATA (airplane).

15. REGULATORY INFORMATION

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labelling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals.



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Following is the hazard information as required on the pesticide label:

CAUTION

Harmful if swallowed, absorbed through skin or inhaled
Causes moderate eye irritation

Avoid contact with skin, eyes or clothing. Avoid breathing spray mist or vapors. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse.

16. OTHER INFORMATION

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