MATERIAL SAFETY DATA SHEET

AGRI-FOS® Systemic Fungicide Revised 3/07

1. PRODUCT AND COMPANY IDENTIFICATION

Product identity: AGRI-FOS® Systemic Fungicide
EPA Registration No.: 71962-1

Manufactured by
LIQUID FERTLISER PTY. LTD. Trading As AGRICHEM
4 – 8 Chetwynd St.
Loganholme, Queensland 4129
Australia

Common name: Liquid systemic fungicide
Chemical description: Mono- and di-potassium salts of phosphorus acid
TSCA/CAS No.: This product is a mixture of CAS No. 13977-65-6 and CAS No. 13492-26-7

Emergency phone numbers
NPC (National Poison Control Hotline): 800-222-1222
NPIC (National Pesticide Information Center): 800-858-7378
EPA National Response Center: 800-424-8802

2. HAZARDOUS INGREDIENTS

Chemical	CAS Number	%	TLV or PEL	RQ(lbs)
None				

3. EMERGENGY/HAZARDS OVERVIEW

Blue liquid with slight to no odor. Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing vapors or spray mist. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Avoid strong oxidizing agents and strong bases. Corrosive to most metals. Not DOT regulated.

HEALTH: 2 RACTIVITY: 0 FLAMMABILITY: 0 ENVIRONMENT: 0
(0= Insignificant 1= Slight 2= Moderate 3= High 4= Extreme)

4. FIRST AID

IF SWALLOWED:
- Call a poison control center or doctor immediately for treatment advice
- Have person sip a glass of water if able to swallow

- Do not induce vomiting unless told to do so by a poison control center or doctor
- Do not give anything by mouth to an unconscious person

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 poison control center or doctor for treatment advice

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 person to fresh air
- If 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 further treatment advice

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

5. FIRE FIGHTING MEASURES

Flash Point:	Not applicable.
Test method:	Not available.
LEL flammable limits:	Not available.
UEL flammable limits:	Not available.
Autoignition temperature:	Not available.
Flammability classification:	Not applicable.
Known hazardous products of combustion:	None
Properties that initiate/contribute to intensity of fire:	None
Potential for dust explosion:	None
Reactions that release flammable gases or vapors:	Not known.
Potential for release of flammable vapors:	Not known.
Unusual fire and explosion hazards:	This is not a flammable material. Some gases such as phosphorus oxides may be released.

Extinguishing media: Carbon dioxide, dry chemical, foam, water spray.

Special firefighting procedures: Use full-faced self-contained breathing apparatus along with full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Containment:	Prevent product from spilling and entering drinking water supplies or streams.
Clean up:	Collect liquid or absorb onto absorbent material and package for disposal.
Evacuation:	Not necessary.

7. HANDLING AND STORAGE

Storage:	Store in a well sealed container in a cool, well-ventilated, dry place at temperatures above 40°F. Do not store near combustible materials, herbicides, fungicides, and food or feeds. Do not stack pallets more than two (2) high.
Transfer equipment:	Transfer product using chemical-resistant plastic or stainless steel tanks, pumps, valves, etc.
Work/hygienic practices:	Keep out of reach of children. May be harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing vapors or spray mist. Causes moderate eye irritation. Avoid contact with eyes, skin of clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse. Do not allow children or pets to contact treated area until spray dries.

8. PERSONAL PROTECTIVE EQUIPMENT

Eye:	Chemical dust/splash goggles or full-face shield to prevent eye contact. As a general rule, do not wear contact lenses when handling.
Skin:	Long-sleeved shirt, long pants, shoes, socks and household latex or rubber gloves.
Respiratory:	Not normally needed. If use generates an aerosol mist or respiratory irritation, use NIOSH approved dust/mist respirator (such as 3M #8710).
Ventilation:	Use in well ventilated area but no TLV established.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Blue liquid.
Odor:	Slight to none.
pH:	5.5 @ 20°C
Vapor pressure:	Not available.
Vapor density:	Not available.
Boiling point:	105°F
Freezing point:	Not available.
Water solubility:	Miscible.
Density:	11.36 lbs/gallon.
Evaporation rate:	Not available.
Viscosity:	2.273 (cSt) @ 20°C.
% Volatile:	Not available.
Octanol/water partition coefficient:	Not available.

10. STABILITY AND REACTIVITY

Stability:	Stable.
Conditions to avoid:	Avoid strong oxidizers and bases. Corrosive to most metals.
Incompatibility:	Not compatible with strong oxidizers, bases and most metals.
Hazardous decomposition products:	None known.
Hazardous polymerization:	Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute effects:

Ingestion:	Ingestion may cause diarrhea, nausea, vomiting, and cramps.
Eyes:	Mild irritant to eyes.
Skin:	Mildly irritating to skin.
Inhalation:	May be slightly irritating.
Subchronic effects:	None known.
Chronic effects:	Not established.

12. ECOLOGICAL INFORMATION

Algal/Lemna growth inhibition:	Not known.
Toxicity to fish (rainbow trout):	> 100mg/L.
Toxicity to plants:	Not known.
Toxicity to birds:	Not known.

13. DISPOSAL CONSIDERATIONS

Do not contaminate lakes, streams, ponds, estuaries, oceans, or other waters by discharge of waste effluents or equipment washwaters.
If container is empty: do not reuse this container. Place in trash or offer for recycling.
If container is partially filled: call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

14. TRANSPORT INFORMATION

DOT (domestic surface)

Hazard class or division:	Non-regulated
Other shipping description:	Insecticides or fungicides, liquid. NMFC Item 102120, LTL Class 60

15. REGULATORY INFORMATION

CERCLA: None.

SARA TITLE III, Section 311 toxic chemicals: None

Proposition 65: None

16. OTHER INFORMATION

All information appearing in this document was based on data provided by third party sources and was compiled to comply with the Federal Hazard Communication Standard and the California Hazardous Substances Information and Training Act. The information is believed to be accurate as of the preparation date, but is not warranted as being the final authority in the use of this product. This information does not purport to be legal or medical advice.

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