

## MATERIAL SAFETY DATA SHEET

# IrrigAid GOLD - Agricultural Soil Surfactant

### 1. IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

<b>Product Name:</b>	AquaGro Gold
<b>Supplier:</b>	Agricrop Pty Ltd
<b>ABN:</b>	84 100 473 309
<b>Street Address:</b>	255 Port Rd Hindmarsh, South Australia 5007
<b>Telephone:</b>	07 3348 4113
<b>Facsimile:</b>	07 3348 2702
<b>Emergency Telephone Number:</b>	1800 033 111 (all Hours)
<b>Chemical description</b>	Agricrop AquaGro Gold
<b>Chemical Name or Synonym:</b>	Non-ionic surfactant blend
<b>Proper Shipping Name</b>	None Allocated

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Entity	CAS No.	Proportion
Alkoxyolated polyols	proprietary	10.0%
Glucosethers	proprietary	7.0%
Water	7732-18-5	83.0%

This is a commercial product whose exact ratio of components may vary. Trace quantities of impurities are also likely.

### 3. HAZARDS IDENTIFICATION

**Physical Appearance and Odour:** Clear brown liquid with mild characteristic odour.

**Warning Statements:** Warning - Causes eye irritation

**Primary Route of Entry:** Skin

**Effect of Overexposure:**

**Acute Eye:** Contact with eyes causes severe irritation.

**Acute Skin:** May cause skin irritation.

**Acute Inhalation:** Inhalation not likely. Mists may cause upper respiratory tract irritation.

**Acute Ingestion:** Practically non-toxic.

Based on available information, not classified as hazardous according to health criteria of NOHSC Australia.

### 4. FIRST AID MEASURES

**Ingestion:**

If accidentally swallowed, contact a doctor or the Poisons Information Centre on 13 11 26.

**Eye Contact:**

If in eyes, irrigate for 15 minutes with copious quantities of water with eyelids held open. Seek medical attention if necessary.

**Skin Contact:**

If on skin, remove contaminated clothing and launder before re-use. Wash affected areas thoroughly with soap and water.

# MATERIAL SAFETY DATA SHEET

## **Inhalation:**

Inhalation is not an expected route of exposure. Move individual to fresh air and check to assure adequate respiration. Seek medical attention if necessary.

## **Notes to physician:**

Treat symptomatically. If vomiting has occurred, be aware of the possibility of pulmonary pneumonitis from solvent and surfactant.

## **5. FIRE-FIGHTING MEASURES**

**Flash Point:** > 200°C

### **Extinguishing Media:**

Recommended:

Small fires – dry chemical, carbon dioxide

Large fires – alcohol foam, universal foam, water spray

Not Recommended: Water jet (frothing possible)

### **Special Fire Fighting Procedures:**

Breathable air apparatus may be required in confined spaces. Avoid using large quantities of water that could spread the surfactant into waterways or sewers.

### **Unusual fire & Explosion Hazard:**

Product will burn under fire conditions.

### **Hazardous Decomposition Materials (Under Fire Conditions):**

Oxides of carbon and hydrogen.

## **6. ACCIDENTAL RELEASE MEASURES**

### **Emergency Procedure**

Contain spilled material with absorbent (soil, sand, vermiculite). Collect and seal in properly labelled drums for disposal. Wash area down effected area with excess water. Spills are slippery.

### **Environmental Precautions**

Prevent from entering drains, waterways or sewers.

## **7. HANDLING AND STORAGE**

**Handling:** Avoid breathing vapours and mists. Avoid direct or prolonged contact with skin and eyes. Ethylene oxide may collect in container head space. Although concentrations are expected to remain below established exposure limits, provide adequate ventilation when accessing or working with open containers and tanks.

**Storage:** Store in tightly closed containers. Store in an area that is dry, well-ventilated, away from ignition sources, and away from incompatible materials (see Section 10: Stability and Reactivity).

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Exposure Guidelines:** No exposure limits were found for this product or any of its ingredients.

**Engineering Controls:** When potential for exposure exists, provide adequate general area dilution/exhaust ventilation.

**Personal Protection:** Avoid contact with eyes and skin. DO NOT inhale spray mist. When preparing spray wear PVC or rubber apron, elbow length PVC gloves and face shield. When using the prepared spray wear face shield. If product on skin, immediately wash area with soap and water. After use and before eating, drinking and smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves, face-shield and contaminated clothing.

**Work Practice Controls:** Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material.

1. Do not store, use, and/or consume food, beverages, tobacco products, or cosmetics in area where this material is stored.
2. Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
3. Wash exposed skin promptly to remove accidental splashes of contact with this material.

# MATERIAL SAFETY DATA SHEET

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Clear brown liquid
<b>Form:</b>	Liquid
<b>Odour:</b>	Mild aromatic odour
<b>Melting/softening point:</b>	< 0°C
<b>Boiling point:</b>	> 100°C
<b>Vapour pressure:</b>	< 0.01 mmHg @ 25°C
<b>pH:</b>	5.0 - 7.0
<b>Volatile materials:</b>	Approx. 10%
<b>Flash Point:</b>	> 200°C
<b>Flammability Limits:</b>	No information available
<b>Autoignition Temp.:</b>	>210°C
<b>Cloud Point:</b>	Not established
<b>Specific gravity:</b>	1.00 – 1.02 g/mL @ 25°C
<b>Solubility in water:</b>	Soluble
<b>Other Properties:</b>	Emulsifiers in water

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** This material is stable under normal handling and storage conditions described in Section 7.

**Conditions to be Avoided:** Heat, open flame and spark.

**Materials/Chemical to be Avoided:** Strong oxidizing agents, strong bases, strong reducing agents.

**The following Hazardous Decomposition Products might be expected:**

**Decomposition Type:** Thermal Oxides of carbon and hydrogen

**Hazardous Polymerization:** Will not occur:

**Avoid the Following to Inhibit Hazardous Polymerization:** N/A

## 11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms that may arise if the product is mishandled are:

### Acute Effects:

<b>Oral:</b>	No LD50 data available for product. Based on knowledge of related constituents: Acute oral LD50 (rat) > 5,000 mg/kg
<b>Eye:</b>	A mild eye irritant
<b>Skin:</b>	May lead to mild irritation on repeated or prolonged exposure
<b>Inhaled:</b>	May produce some dizziness and nausea at high concentrations

### Chronic Effects

This product does not contain any substances that are considered “probable” or “suspected” human carcinogens.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity Information:** No data available

**Environmental Fate Information:** No data available

**Chemical/Physical Information:** No data available

Readily biodegradable. Do not contaminate streams, rivers or waterways with the chemical used container.

# MATERIAL SAFETY DATA SHEET

## 13. DISPOSAL CONSIDERATIONS

Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point.

If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

## 14. TRANSPORT INFORMATION

**Storage:** Store in original container, tightly sealed, in a safe place away from seeds, fungicidal and insecticidal sprays or fertilisers so that cross contamination cannot occur.

**Transport Details:**

**Road Transport:**

Considered non hazardous for transport by the Australian Code for the Transport of Dangerous Goods by Road and Rail.

**Sea/Air Transport:**

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

## 15. REGULATORY INFORMATION

**Packaging and Labelling:**

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

The product has been assessed according to the Worksafe criteria for classifying hazardous substances and is classified as non-hazardous:

**Safety Phrases:**

S2 Keep out of reach of children.

S13 Keep away from food, drink and animal feeding stuffs

**AICS (Australia):** All of the components in this product are listed on the Australian Inventory of Chemical Substances.

## 16. OTHER INFORMATION

All due care and skill, so far as practicable, has been applied in the preparation and collation of the information in this MSDS. Each user of the Product named in this MSDS should read and consider the information contained in this MSDS in the context of how the Product will be stored, handled, used or applied in the workplace. In all circumstances, it is the responsibility of the user of the Product to ensure that they have sought out the relevant safety data appropriate to their particular situation. Nothing contained in this MSDS shall be construed as a representation or recommendation to the user about the suitability or otherwise of the Product named in this MSDS for the user's particular situation. If the user requires any clarification or further information, the user should contact Agricrop.

**CONTACT POINT: Agricrop Pty Ltd  
255 Port Rd  
Hindmarsh, South Australia 5007**

Telephone: 07 3348 4113 - Facsimile: 07 3348 2702

**National Poisons Information Centre: Dial 13 11 26 (from anywhere in Australia)**

Please read all labels carefully before using product.