



## SAFETY DATA SHEET

### SYNERLOGIC LIQUID FERTILISER



#### Section 1 - IDENTIFICATION OF PRODUCT AND SUPPLIER

**PRODUCT NAME:** SYNERLOGIC LIQUID FERTILISER

**RECOMMENDED USE:** FOLIAR FERTILISER

**SUPPLIER:** Fertilizer New Zealand  
52 Ranzau Road, Hope, New Zealand

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#### Section 2 - HAZARDS IDENTIFICATION

##### EMERGENCY OVERVIEW

###### Hazard

Hazard Classifications: **6.3B 6.4A**

###### Warning

Causes mild skin irritation.  
Causes eye irritation.

##### PRECAUTIONARY STATEMENTS

###### Prevention

Read label before use.

###### Response

If skin irritation occurs: Get medical advice/ attention.  
IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.

### Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

NAME	CAS No.	%
Cobalt Sulphate	10026-24-1	Trace
Copper Sulphate	7758-99-8	< 0.04
Ferrous Sulphate	7782-63-0	0.26
Monoammonium Phosphate	7722-76-1	5.88
Monopotassium Phosphate	7778-77-0	5.88
Potassium Sorbate	24634-61-5	< 0.10
Sodium Selenate	13410-01-0	Trace
Urea	57-13-6	11.76
Water and other non-hazardous components		up to 100

### Section 4 - FIRST AID MEASURES

#### SWALLOWED

First aid is not generally required. If in doubt, contact a Poison Centre (0800 764766) or a doctor.

If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway.

Seek medical advice.

#### SKIN

If skin contact occurs:

Immediately remove all contaminated clothing, including footwear.

Flush skin and hair with running water (and soap if available).

Seek medical advice in event of irritation.

#### EYE

If this product comes in contact with eyes, wash out immediately with water.

If irritation continues, seek medical attention.

Removal of contact lenses after an eye injury should only be undertaken by skilled personal.

#### INHALED

If irritation occurs, remove victim from area of exposure - avoid becoming a casualty.

Seek medical advice if effects persist.

### Section 5 - FIRE FIGHTING MEASURES

#### EXTINGUISHING MEDIA

Not combustible, however, if material is involved in a fire, use media applicable to surrounding fire.

#### HAZARDS

Non-combustible material. May decompose on heating emitting toxic fumes.

#### PERSONAL PROTECTIVE EQUIPMENT

Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition.

## Section 6 - ACCIDENTAL RELEASE MEASURES

### SPILLS

Do not allow the product to enter drains, sewers or waterways.  
 Remove leaking containers to a detached area.  
 Bund spill area. Absorb spilled product with inert material (e.g. sand, etc.)  
 Dispose of waste in accordance with local authority bylaws.

## Section 7 - HANDLING AND STORAGE

### PRECAUTIONS FOR SAFE HANDLING

Avoid skin and eye contact.

### STORAGE

Store in original container in a cool, dry, well ventilated place and out of direct sunlight.  
 Keep containers closed when not in use - check regularly for leaks.

## Section 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

### EXPOSURE LIMITS

No limits set for this specific substance.

### ENGINEERING CONTROLS

Natural ventilation should be adequate under normal use conditions.

### PERSONAL PROTECTION EQUIPMENT

No special personal protective equipment required.  
 If prolonged exposure is anticipated, skin and eye protection is advised.

## Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Brown liquid
<b>Odour</b>	Earthy
<b>Solubility</b>	Soluble in water
<b>Specific Gravity (kg/L)</b>	1.27
<b>pH</b>	5.2-5.5
<b>Boiling Point (°C) Estimated</b>	100

## Section 10 - CHEMICAL STABILITY AND REACTIVITY

### STABILITY

Stable under normal conditions of use.

### CONDITIONS TO AVOID

Freezing temperatures - May crystallise.  
 Extreme heat - May decompose on heating emitting toxic fumes.

### INCOMPATIBLE MATERIALS

None known.

## Section 11 - TOXICOLOGICAL INFORMATION

### **INGENSTION**

No adverse effects expected, however, large amounts may cause nausea and vomiting.

### **6.3B SKIN**

Contact with skin will result in mild irritation.

### **6.4A EYE**

A mild eye irritant.

### **INHALATION**

Breathing in mists may produce respiratory irritation.

## Section 12 - ECOLOGICAL INFORMATION

Not expected to be persistent or bioaccumulative.

Avoid contamination of waterways.

## Section 13 - DISPOSAL CONSIDERATIONS

Dispose or recycle in accordance with Hazardous Substances (Disposal) Regulations 2001 and local authority bylaws.

## Section 14 - TRANSPORT INFORMATION

Not classified as hazardous for transport under Land Transport Rule: Dangerous Goods 2005

## Section 15 - REGULATORY INFORMATION

### **REGULATIONS**

Group Standard HSNO Approval Number : HSR002571

HSNO Classifications : 6.3B, 6.4A

## Section 16 - OTHER INFORMATION

**REVISION DATE:** 1 January 2016

**ADDITIONAL INFORMATION:** Directions for use can be found on label.

**GLOSSARY:**

**CAS No.** Chemical Abstract Services Number, used to uniquely identify chemical compounds

**HSNO** Hazardous Substances and New Organisms (legislation 1996)

**DISCLAIMER**

This SDS summarises our best knowledge of the health and safety hazard information available for this product and how to safely handle and use it.

Since the use of this information and the conditions of the use of this product are not under the control of Fertilizer New Zealand Ltd, it is the user's responsibility to determine conditions of safe use of the product.