## Section 1 - Identification of Chemical Product and Company

**Chemical Nature:** Liquid fertiliser containing Si and Ca
**Trade Name:** **FoliMAX Strength Si**
**Product Use:** Fertiliser with added Si and Ca
**Supplier:** **Amgrow Pty Ltd**
**Unit B2a, 3-29 Birnie Avenue**
**Lidcombe NSW 2141**
Phone: (02) 9395 1200 (Office hours)
www.amgrow.com.au
**Issue Date:** **June 2021**

## Section 2 - Hazards Identification

### *Statement of Hazardous Nature*

**NOT CLASSIFIED AS HAZARDOUS ACCORDING TO THE CRITERIA OF SWA**

**NOT A DANGEROUS GOOD ACCORDING TO THE ADG CODE, IATA OR IMDG/IMSBC CRITERIA**

**Risk Phrases:** Not Hazardous - No criteria found.
**Safety Phrases:** Not Hazardous - No criteria found.
**SUSMP Classification:** Not scheduled
**ADG Classification:** None allocated. Not a Dangerous Good according to Australian Dangerous Goods (ADG) Code, IATA or IMDG/IMSBC criteria.
**UN Number:** None allocated

**GHS Signal word: NONE. Not hazardous.**

**PREVENTION**

P102: Keep out of reach of children.
P262: Do not get in eyes, on skin, or on clothing.
P281: Use personal protective equipment as required.

**RESPONSE**

P353: Rinse skin or shower with water.
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P370+P378: Not combustible. Use extinguishing media suited to burning materials.

**STORAGE**

P402+P404: Store in a dry place. Store in a closed container.

**DISPOSAL**

P501: Dispose of small quantities and empty containers by wrapping with paper and putting in garbage. For larger quantities, if recycling or reclaiming is not possible, use a commercial waste disposal service.

### *Emergency Overview*

**Physical Description & colour:** Grey liquid
**Odour:** No odour
**Major Health Hazards:** No significant risk factors have been found for this product.

## Section 3 - Composition/Information on Ingredients

| *Ingredients* | *CAS No* | *Conc. %* |
|---|---|---|
| Calcium Silicate | 1344-95-2 | |
| Potassium Sulphate (Sulphate of Potash) | 7778-80-5 | 100 |
| Silica | 7631-86-9 | |

*This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.*

## Section 4 - First Aid Measures

**General Information:** You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this MSDS with you when you call.
**Inhalation:** If mists have been inhaled, and irritation has developed, remove to fresh air and observe until recovered. If irritation becomes painful or persists for more than about 30 minutes, seek medical advice
**Skin Contact:** Wash affected areas with water until chemical is removed. Remove all contaminated clothing and launder before re-use. If in doubt obtain medical advice.
**Eye Contact:** Immediately irrigate with copious amounts of lukewarm, gently flowing water for 15 – 20 minutes or until the product is removed or irritation has ceased, while holding the eyelid(s) open. Obtain medical advice if irritation becomes painful or lasts more than a few minutes.
**Ingestion:** Give a glass of water if affected person able to drink. Do not induce vomiting unless instructed to do so by medical advice.
**Notes to Doctor:** Treat symptomatically.

## Section 5 - Fire Fighting Measures

**Fire and Explosion Hazards**: Product will not cause or contribute to an explosion. If in a fire product decomposition may result in toxic fumes

**Extinguishing Media:** Not Combustible. Use extinguishing media suited to burning materials.
**Fire Fighting:** If a significant quantity of this product is involved in a fire, call the fire brigade.
**Flash point:** Does not burn.
**Upper Flammability Limit:** Does not burn.
**Lower Flammability Limit:** Does not burn.
**Auto ignition temperature:** Not applicable - does not burn.
**Flammability Class:** Does not burn.

## Section 6 - Accidental Release Measures

**Accidental release:** In the event of a major spill, prevent spillage from entering drains or water courses. As a minimum, wear overalls, goggles and gloves. Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. Full details regarding disposal of used containers, spillage and unused material may be found on the label. If there is any conflict between this MSDS and the label, instructions on the label prevail. Dispose of only in accord with all regulations.

## Section 7 - Handling and Storage

**Handling:** Check Section 8 of this MSDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.
**Storage:** Store in a cool, dry place away from children and animals or foodstuffs**.** Ensure containers are labelled, protected from physical damage and sealed when not in use. Store away from farm chemicals e.g. insecticides, fungicides and herbicides. Containers should be kept closed in order to minimise contamination. Keep from extreme heat and open flames, and make sure that the product does not come into contact with substances listed under "Materials to avoid" in Section 10.

## Section 8 - Exposure Controls and Personal Protection

***Exposure Limits TWA (mg/m3) STEL (mg/m3) ADI (mg/Kg/day) NOEL (mg/Kg/day)***

*Exposure limits have not been set for any ingredients in product. The TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. There is a blanket limit of 10mg/m$^3$ for dusts or mists when limits have not otherwise been established. The STEL (Short Term Exposure Limit) is an exposure value that should not be exceeded for more than 15 minutes and should not be repeated for more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak "is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.*

*ADI means Acceptable Daily Intake and NOEL means No-observable-effect-level. Values taken from Australian ADI List, 31st March 2012*

### *Personal Protection*

The following Australian Standards will provide general advice regarding safety clothing and equipment: Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Industrial Clothing: **AS2919**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

**Ventilation:** Avoid high mist concentration and provide local exhaust ventilation where necessary.

**Eye Protection:** Eye protection such as protective glasses or goggles is recommended when this product is being used.

**Skin Protection:** Wear gloves to prevent skin contact. Wear overall and long sleeves to prevent contact Provision of eye wash facilities and safety shower recommended.

Wash hands before eating, drinking, smoking or going to toilet, launder protective clothing before re-use.

## *Section 9 - Physical and Chemical Properties:*

| | |
|---|---|
| **Physical Description & colour**: | Grey liquid |
| **Odour:** | No odour |
| **Boiling Point:** | No data |
| **Vapour Pressure:** | No data |
| **Specific Gravity:** | approx 1.2 @ 20$^{o}$C |
| **Water Solubility:** | Completely soluble |
| **pH:** | 8.5-10.5 |
| **Volatility:** | No data. |
| **Flash Point** | No data |

## *Section 10 - Stability and Reactivity*

**Reactivity**: This product is stable under normal temperatures and pressures, when stored and handled in accordance with this MSDS

**Conditions to Avoid:** Store away from heat or fire and ignition sources

**Incompatibilities:** Strong Reducing agents

**Fire Decomposition:** May evolve toxic gases when heated to decomposition

**Polymerisation:** Does not occur.

## *Section 11 - Toxicological Information*

### *Potential Health Effects*

**Inhalation:** Irritating to the Respiratory tract

**Skin Contact**: Irritating to the skin

**Eye Contact:** Irritating to the eyes

**Ingestion:** Ingestion of large amounts may cause gastrointestinal disorder, nausea, diarrhoea, vomiting,

**Carcinogen Status:**

**SWA:** No significant ingredient is classified as carcinogenic by SWA

**NTP:** No significant ingredient is classified as carcinogenic by NTP

**IARC:** No significant ingredient is classified as carcinogenic by IARC

**Toxicity Data:** No LD50 data available for this product.

## *Section 12 - Ecological Information*

**Environment:** Avoid contamination of waterways.

## Section 13 - Disposal Considerations

**Disposal**: There are many pieces of legislation covering waste disposal and they differ in each state and territory, so each user must refer to laws operating in their area. In some areas, certain wastes must be tracked. The Hierarchy of Controls seems to be common - the user should investigate: Reduce, Reuse, and Recycle and only if all else fails should disposal be considered. Note that properties of a product may change in use, so that the following suggestions may not always be appropriate. The following may help you in properly addressing this matter for this product. Special help is available for the disposal of Agricultural Chemicals. The product label will give general advice regarding disposal of small quantities, and how to cleanse containers. However, for help with the collection of unwanted rural chemicals, contact ChemClear 1800 008 182 http://www.chemclear.com.au/ and for help with the disposal of empty drums, contact DrumMuster http://www.drummuster.com.au/ where you will find contact details for your area.

## Section 14 - Transport Information

**ADG Code:** This product is not classified as a Dangerous Good for transport by road or rail
**IMDG/IATA:** This product is not classified as a dangerous good for transport by sea or air

## Section 15 - Regulatory Information

**AICS:** All of the significant ingredients in this formulation are to be found in the public AICS Database.

## Section 16 - Other Information

**This MSDS contains only safety-related information. For other data see product literature.**
**Acronyms:**

| | |
|---|---|
| **ADG Code** | Australian Code for the Transport of Dangerous Goods by Road and Rail |
| **AICS** | Australian Inventory of Chemical Substances |
| **ASCC** | Office of the Australian Safety and Compensation Council |
| **CAS number** | Chemical Abstracts Service Registry Number |
| **IARC** | International Agency for Research on Cancer |
| **IATA** | International Air Transport Association |
| **IMDG** | International Marine Transport Dangerous Goods |
| **NOHSC** | National Occupational Health & Safety Commission |
| **NTP** | National Toxicology Program (USA) |
| **SUSMP** | Standard for the Uniform Scheduling of Medicines & Poisons |
| **SWA** | Safe Work Australia (formerly ASCC and NOHSC) |
| **UN Number** | United Nations Number |

*THIS MSDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS MSDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.*

*IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS*

*OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.*

Please read all labels carefully before using product.

This MSDS is prepared in accord with the NOHSC document “National Code of Practice for the Preparation of Material Safety Data Sheets” 2nd Edition [NOHSC:2011(2003)]

Copyright © Amgrow Pty Ltd June 2021