



# Blue Spear Filler 5-10-30 (For Agricultural Use)

## Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations  
Issue date: 1/08/2025 Version: 1.0

### SECTION 1: Product identifier

#### 1.1. GHS Product identifier

Product form : Mixture  
Product name : Blue Spear Filler 5-10-30 (For Agricultural Use)  
Product code : 468702

#### 1.2. Other means of identification

No additional information available

#### 1.3. Recommended use of the chemical and restrictions on use

Recommended use : Fertilizers  
plants nutrient

#### 1.4. Details of manufacturer or importer

##### Supplier

Azelis Australia Pty Ltd  
Suites 217-219  
117 Old Pittwater Road, Brookvale, NSW 2100  
Australia  
Phone: +61 0299392188  
Fax: +61 0299392799  
e-mail: info@azelis.com.au

#### 1.5. Emergency phone number

Emergency number : 1800 127 406 (24 h, Australia) | +64 4 917 9888 (24 h, Worldwide)  
CareChem 24x7 : EUROPE: +44 1235 239670 | USA: +1 202 464 2554 | CANADA - +1 800  
579 7421 (Toll Free) | ASIA - +65 3158 1074 | MOROCCO - +44 1235 239671 | REST OF  
THE WORLD - +44 1865 407333 (English only)

### SECTION 2: Hazard identification

#### 2.1. Classification of the hazardous chemical

##### Classification according to the model Work Health and Safety Regulations (WHS Regulations)

Not classified

#### 2.2. GHS Label elements, including precautionary statements

No labelling applicable

#### 2.3. Other hazards which do not result in classification

No additional information available

### SECTION 3: Composition and information on ingredients

| Name                            | CAS-No.    | %       | Classification according to the model Work Health and Safety Regulations (WHS Regulations) |
|---------------------------------|------------|---------|--|
| Monopotassium phosphate         | 7778-77-0  | 45 – 50 | Not classified   |
| Potassium nitrate               | 7757-79-1  | 40 – 45 | Ox. Liq. 2, H272   |
| EDTA-disodium magnesium complex | 14402-88-1 | 0.5 – 4 | Not classified   |
| Potassium sulphate              | 7778-80-5  | 0.5 – 3 | Not classified   |

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| Name            | CAS-No.     | %         | Classification according to the model Work Health and Safety Regulations (WHS Regulations) |
|-----------------|-------------|-----------|--|
| Silicon dioxide | 112926-00-8 | 0.1 – 0.3 | Not classified   |

### SECTION 4: First aid measures

#### 4.1. Description of necessary first-aid measures

- First-aid measures general : If you feel unwell, seek medical advice.
- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.
- First-aid measures after skin contact : Wash off with soap and plenty of water. Get medical advice/attention if you feel unwell.
- First-aid measures after eye contact : Rinse eyes with water as a precaution. Get medical advice/attention if you feel unwell.
- First-aid measures after ingestion : Do not induce vomiting. Call a poison center or a doctor if you feel unwell.

#### 4.2. Symptoms caused by exposure

- Symptoms/effects after inhalation : Cough. Sore throat.
- Symptoms/effects after skin contact : Redness.
- Symptoms/effects after eye contact : Redness, pain.
- Symptoms/effects after ingestion : Nausea. Vomiting. Diarrhea. Abdominal pain. Headache. Convulsions. Blue lips, fingernails and skin. Dizziness. Laboured breathing. Confusion. Unconsciousness.

#### 4.3. Medical attention and special treatment

- Other medical advice or treatment : Treat symptomatically.

### SECTION 5: Fire-fighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : Water spray. Dry powder. Carbon dioxide.

#### 5.2. Specific hazards arising from the chemical

- General measures : Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.
- Hazardous decomposition products in case of fire : Toxic fumes may be released.

#### 5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.

##### 6.1.1. For non-emergency personnel

- Protective equipment : Wear recommended personal protective equipment.
- Emergency procedures : Ventilate spillage area.

##### 6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

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Emergency procedures : Evacuate unnecessary personnel.

### 6.2. Environmental precautions

Avoid release to the environment. Avoid direct discharge into drains. Avoid discharge into drains, water courses or onto the ground.

### 6.3. Methods and materials for containment and cleaning up

For containment : Using a clean shovel, put the material in a dry container and cover without compressing it.  
Methods for cleaning up: : Mechanically recover the product.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Avoid formation of dust. Adopt adequate ventilation at places where you develop dust. Ensure good ventilation at the workplace. Avoid contact with skin and eyes.  
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep in a cool, well-ventilated place away from heat.  
Storage conditions : Keep cool. Protect from sunlight. Keep container tightly closed and dry. Store away from flammable or heat substances.  
Incompatible materials : Oxidizing agents. Alkalis and caustic products.  
Packaging materials : Store always product in container of same material as original container.

## SECTION 8: Exposure controls and personal protection

### 8.1. Control parameters - exposure standards

No additional information available

### 8.2. Monitoring methods

No additional information available

### 8.3. Engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

### 8.4. Individual protection measures, such as personal protective equipment (PPE)

Personal protective equipment : Wear recommended personal protective equipment. Dust formation: dust mask.  
Hand protection : Protective gloves  
Eye protection : Safety glasses  
Skin and body protection : Wear suitable protective clothing  
Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment

#### Personal protective equipment symbol(s)



Environmental exposure controls : Avoid release to the environment.

## SECTION 9: Physical and chemical properties

Physical state : Solid  
Appearance : Powder.

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|   |   |
|---|---|
| Colour  | : Blue  |
| Odour   | : odourless Slightly Smelly                   |
| Odour threshold                                 | : No data available                           |
| pH  | : 5.79 (25 °C)                                |
| pH solution concentration                       | : 1 %   |
| Relative evaporation rate (butylacetate=1)      | : No data available                           |
| Melting point / Freezing point                  | : Freezing point: Not applicable              |
| Boiling point                                   | : No data available                           |
| Flash point                                     | : Not applicable                              |
| Auto-ignition temperature                       | : Not applicable                              |
| Flammability                                    | : No data available                           |
| Vapour pressure                                 | : No data available                           |
| Relative density                                | : No data available                           |
| Density   | : No data available                           |
| Solubility                                      | : Water: 25 g/100ml (25°C)                    |
| Partition coefficient n-octanol/water (Log Pow) | : No data available                           |
| Viscosity, kinematic                            | : Not applicable                              |
| Explosive properties                            | : No data available                           |
| Explosive limits                                | : Not applicable                              |
| Minimum ignition energy                         | : No data available                           |
| Fat solubility                                  | : No data available                           |
| Additional information                          | : Bulk density : 740 kg/m <sup>3</sup> (25°C) |

### SECTION 10: Stability and reactivity

|                                    |  |
|------------------------------------|--|
| Reactivity                         | : The product is non-reactive under normal conditions of use, storage and transport.   |
| Chemical stability                 | : Stable at standard temperature and pressure. Materials is hygroscopic (may absorb moisture from air when relative humidity is greater than 82%). |
| Possibility of hazardous reactions | : No dangerous reactions known under normal conditions of use.   |
| Conditions to avoid                | : Heat. Incompatible materials. Open flame. Sparks. Direct sunlight.   |
| Incompatible materials             | : Oxidizing agents. Alkalis and caustic products.  |
| Hazardous decomposition products   | : Under normal conditions of storage and use, hazardous decomposition products should not be produced.   |

### SECTION 11: Toxicological information

|                             |   |
|-----------------------------|---|
| Acute toxicity (oral)       | : Not classified (Based on available data, the classification criteria are not met) |
| Acute toxicity (dermal)     | : Not classified (Based on available data, the classification criteria are not met) |
| Acute toxicity (inhalation) | : Not classified (Based on available data, the classification criteria are not met) |

| Blue Spear Filler 5-10-30 (For Agricultural Use) |               |
|--|---------------|
| ATE AU (oral)                                    | 2524.85 mg/kg |
| Silicon dioxide (112926-00-8)                    |               |
| LD50 oral rat                                    | 3160 mg/kg    |
| Monopotassium phosphate (7778-77-0)              |               |
| LD50 oral rat                                    | 3200 mg/kg    |

|                                   |   |
|-----------------------------------|---|
| Skin corrosion/irritation         | : Not classified (Based on available data, the classification criteria are not met)<br>pH: 5.79 (25 °C) |
| Serious eye damage/irritation     | : Not classified (Based on available data, the classification criteria are not met)<br>pH: 5.79 (25 °C) |
| Respiratory or skin sensitization | : Not classified (Based on available data, the classification criteria are not met)                     |
| Germ cell mutagenicity            | : Not classified (Based on available data, the classification criteria are not met)                     |
| Carcinogenicity                   | : Not classified (Based on available data, the classification criteria are not met)                     |
| Reproductive toxicity             | : Not classified (Based on available data, the classification criteria are not met)                     |
| STOT-single exposure              | : Not classified (Based on available data, the classification criteria are not met)                     |
| STOT-repeated exposure            | : Not classified (Based on available data, the classification criteria are not met)                     |
| Aspiration hazard                 | : Not classified (Based on available data, the classification criteria are not met)                     |

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| Blue Spear Filler 5-10-30 (For Agricultural Use) |                |
|--|----------------|
| Viscosity, kinematic                             | Not applicable |

### SECTION 12: Ecological information

#### 12.1. Ecotoxicity

|   |   |
|---|---|
| Ecology - general   | : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. |
| Hazardous to the aquatic environment, short-term (acute)  | : Not classified (Based on available data, the classification criteria are not met)                                     |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified (Based on available data, the classification criteria are not met)                                     |

| Potassium sulphate (7778-80-5)               |                     |
|--|---------------------|
| LC50 - Fish [1]                              | 680 mg/l (4 d)      |
| Monopotassium phosphate (7778-77-0)          |                     |
| LC50 - Fish [1]                              | 100 mg/l (4 d)      |
| EC50 - Other aquatic organisms [1]           | 100 mg/l (72 h)     |
| NOEC chronic fish                            | 100 mg/l (4 d)      |
| NOEC chronic algae                           | 100 mg/l (72 h)     |
| LD50 oral rat                                | 3200 mg/kg          |
| EDTA-disodium magnesium complex (14402-88-1) |                     |
| NOEC chronic fish                            | 25.7 mg/l (35 days) |

#### 12.2. Persistence and degradability

| Blue Spear Filler 5-10-30 (For Agricultural Use) |                                     |
|--|-------------------------------------|
| Persistence and degradability                    | No additional information available |
| Potassium nitrate (7757-79-1)                    |                                     |
| Persistence and degradability                    | No additional information available |
| Silicon dioxide (112926-00-8)                    |                                     |
| Persistence and degradability                    | No additional information available |
| Potassium sulphate (7778-80-5)                   |                                     |
| Persistence and degradability                    | No additional information available |
| Monopotassium phosphate (7778-77-0)              |                                     |
| Persistence and degradability                    | No additional information available |
| EDTA-disodium magnesium complex (14402-88-1)     |                                     |
| Persistence and degradability                    | No additional information available |

#### 12.3. Bioaccumulative potential

| Blue Spear Filler 5-10-30 (For Agricultural Use) |  |
|--|--|
| Bioaccumulative potential                        | This substance is highly water soluble and dissociating. |

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### 12.4. Mobility in soil

#### Blue Spear Filler 5-10-30 (For Agricultural Use)

|                  |  |
|------------------|--|
| Mobility in soil | This substance is highly water soluble and dissociating. Low potential for adsorption. |
|------------------|--|

### 12.5. Other adverse effects

Ozone : Not classified (Based on available data, the classification criteria are not met)

Other adverse effects : No additional information available

#### Blue Spear Filler 5-10-30 (For Agricultural Use)

|                              |       |
|------------------------------|-------|
| Fluorinated greenhouse gases | False |
|------------------------------|-------|

#### Potassium nitrate (7757-79-1)

|                              |       |
|------------------------------|-------|
| Fluorinated greenhouse gases | False |
|------------------------------|-------|

#### Silicon dioxide (112926-00-8)

|                              |       |
|------------------------------|-------|
| Fluorinated greenhouse gases | False |
|------------------------------|-------|

#### Potassium sulphate (7778-80-5)

|                              |       |
|------------------------------|-------|
| Fluorinated greenhouse gases | False |
|------------------------------|-------|

#### Monopotassium phosphate (7778-77-0)

|                              |       |
|------------------------------|-------|
| Fluorinated greenhouse gases | False |
|------------------------------|-------|

#### EDTA-disodium magnesium complex (14402-88-1)

|                              |       |
|------------------------------|-------|
| Fluorinated greenhouse gases | False |
|------------------------------|-------|

## SECTION 13: Disposal considerations

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions. This product is used as fertilizer. However, large spills can kill vegetation. Prevent large quantities from entering waterways. Allocation of a waste code number, according to the European Waste catalogue (EWC), should be carried out in agreement with the regional waste disposal company.

Product/Packaging disposal recommendations : Comply with applicable regulations for solid waste disposal. Disposal must be done according to official regulations. Empty containers may be reused after appropriate cleansing. Packaging that cannot be cleaned should be disposed in agreement with the regional waste disposal company.

Additional information : Do not re-use empty containers. Water, if necessary together with cleansing agents.

## SECTION 14: Transport information

In accordance with ADG / IMDG / IATA

### 14.1. UN number

UN-No. (ADG) : Not regulated  
UN-No. (IMDG) : Not regulated  
UN-No. (IATA) : Not regulated

### 14.2. UN Proper Shipping Name

Proper Shipping Name (ADG) : Not regulated  
Proper Shipping Name (IMDG) : Not regulated  
Proper Shipping Name (IATA) : Not regulated

### 14.3. Transport hazard class(es)

**ADG**  
Transport hazard class(es) (ADG) : Not regulated

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### IMDG

Transport hazard class(es) (IMDG) : Not regulated

### IATA

Transport hazard class(es) (IATA) : Not regulated

### 14.4. Packing group

Packing group (ADG) : Not regulated

Packing group (IMDG) : Not regulated

Packing group (IATA) : Not regulated

### 14.5. Environmental hazards

Other information : No supplementary information available

### 14.6. Special precautions for user

Specific storage requirement : No data available

Shock sensitivity : No data available

### 14.7. Additional information

Other information : No supplementary information available

### Transport by road and rail

Not applicable

### Transport by sea

Not regulated

### Air transport

Not regulated

### 14.8. Hazchem or Emergency Action Code

Hazchem Code : Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations

#### Australian Industrial Chemicals Introduction Scheme (AICIS)

Australian Inventory of Industrial Chemicals (AICIS) : All the chemicals contained in this product are listed on the AIIC(Australian Inventory of Industrial Chemicals) status

#### Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

Relevant Poisons Schedule number : Not Scheduled

#### Australian Pesticides and Veterinary Medicines Authority (APVMA)

Other information on relevant regulations : The product is regulated under National and State Government Agricultural bodies and is exempted from APVMA Registration.

### 15.2. International agreements

No additional information available

## SECTION 16: Other information

### Classification

Not classified

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| Full text of H-statements |                               |
|---------------------------|-------------------------------|
| Ox. Liq. 2                | Oxidising Liquids, Category 2 |
| H272                      | May intensify fire; oxidiser  |

Safety Data Sheet (SDS), Australia

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.