



Blue Spear Balance 20-10-15 (For Agricultural Use)

Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations
Issue date: 31/07/2025 Version: 1.0

SECTION 1: Product identifier

1.1. GHS Product identifier

Product form : Mixture
Product name : Blue Spear Balance 20-10-15 (For Agricultural Use)
Product code : 470078

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)
Diammonium phosphate	7783-28-0	40 – 45	Not classified
Potassium nitrate	7757-79-1	35 – 40	Ox. Liq. 2, H272
Urea	57-13-6	10 – 15	Not classified

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Name	CAS-No.	%	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
Boron	10043-35-3	2 – 5	Repr. 1B, H360
Silicon dioxide	112926-00-8	0.2 – 0.5	Not classified

Specific concentration limits:

Name	Product identifier	Specific concentration limits (Conc. % (% w/w))
Boron	CAS-No.: 10043-35-3 EC-No.: 233-139-2	(5.5 ≤ C < 100) Repr. 1B; H360FD

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.
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SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Carbon Dioxide (CO ₂).
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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.

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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".

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, Alkalis and caustic products; strong acids; copper and its alloys.

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

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Personal protective equipment symbol(s)



Environmental exposure controls

: Avoid release to the environment.

SECTION 9: Physical and chemical properties

Physical state	: Solid
Appearance	: Powder.
Colour	: Blue
Odour	: odourless Slightly Smelly
Odour threshold	: No data available
pH	: 7.5 – 8.5 (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: 40 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 : 628 kg/m ³ (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	: Avoid direct sunlight. humidity. Flammable.
Incompatible materials	: Oxidizing agents. alkalis. Alkalis and caustic products; strong acids; copper and its alloys.
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 Balance 20-10-15 (For Agricultural Use)	
ATE AU (oral)	4503.27 mg/kg
Urea (57-13-6)	
LD50 oral rat	8471 mg/kg
Boric acid (10043-35-3)	
LD50 oral rat	2600 mg/kg bodyweight

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Silicon dioxide (112926-00-8)	
LD50 oral rat	3160 mg/kg bodyweight
Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: 7.5 – 8.5 (25 °C)
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: 7.5 – 8.5 (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)
Blue Spear Balance 20-10-15 (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)

Urea (57-13-6)	
LD50 oral rat	8471 mg/kg
Potassium nitrate (7757-79-1)	
LC50 - Fish [1]	100 – 1378 mg/l (4 d)
NOEC chronic fish	100 mg/l (4d)
Boric acid (10043-35-3)	
NOEC chronic algae	17.5 – 27.9 mg/l (72 h, cyanobacteria)
LD50 oral rat	2600 mg/kg bodyweight
Silicon dioxide (112926-00-8)	
LC50 - Other aquatic organisms [1]	490 mg/l (48h, Daphnia magna, freshwater; static)
LD50 oral rat	3160 mg/kg bodyweight

12.2. Persistence and degradability

Blue Spear Balance 20-10-15 (For Agricultural Use)	
Persistence and degradability	No additional information available
Urea (57-13-6)	
Persistence and degradability	No additional information available
Potassium nitrate (7757-79-1)	
Persistence and degradability	No additional information available
Boric acid (10043-35-3)	
Persistence and degradability	No additional information available

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Silicon dioxide (112926-00-8)	
Persistence and degradability	No additional information available

Diammonium phosphate (7783-28-0)	
Persistence and degradability	No additional information available

12.3. Bioaccumulative potential

Blue Spear Balance 20-10-15 (For Agricultural Use)	
Bioaccumulative potential	This substance is highly water soluble and dissociating.

12.4. Mobility in soil

Blue Spear Balance 20-10-15 (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 Balance 20-10-15 (For Agricultural Use)	
Fluorinated greenhouse gases	False

Urea (57-13-6)	
Fluorinated greenhouse gases	False

Potassium nitrate (7757-79-1)	
Fluorinated greenhouse gases	False

Boric acid (10043-35-3)	
Fluorinated greenhouse gases	False

Silicon dioxide (112926-00-8)	
Fluorinated greenhouse gases	False

Diammonium phosphate (7783-28-0)	
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

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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

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

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

Relevant Poisons Schedule number : Not Scheduled

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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

Full text of H-statements

Ox. Liq. 2	Oxidising Liquids, Category 2
Repr. 1B	Reproductive toxicity, Category 1B
H272	May intensify fire; oxidiser
H360	May damage fertility or the unborn child

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.