

SAFETY DATA SHEET

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According to Safe Work Australia

Printing Date: 16.01.2023

Revision 16.01.2023

1. IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: BLUE SPEAR™ BALANCE 20-10-15

Other Means of Identification: Mixture

Recommended Use of the Chemical and Restriction on Use: Foliar fertilizer for the correction of nutrient deficiencies in various crops and situations as per the label.

Details of Manufacturer or Importer:

Agspec Australia Pty Ltd

1 Krummel St

Mt Gambier, SA 5290

Phone Number: 1800 683 456

Emergency telephone number: +61 427 490 551

2. HAZARD IDENTIFICATION

GHS Classification of the substance: Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria. Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Signal Word(s): Danger

Hazard Statement(s):

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

Precautionary Statements:

P260 Do not breathe dusts or mists.

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P321 Specific treatment (see on this label).

P363 Wash contaminated clothing before reuse.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national regulations.

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Pictogram(s):

**Hazardous Components:**

7440-09-7	Potassium	15%
	 Water-react. 1, H260; Skin Corrosion/Irritation 1B, H314; Serious Eye Damage/ Irritation 1, H318	

3. COMPOSITION AND INFORMATION ON INGREDIENTS

NAME	CAS	PROPORTION
Nitrogen as Nitrate	7778-80-5	5.00%
Nitrogen as Ammonia	7783-28-0	8.00%
Nitrogen as Ureic	57-13-6	7.00%
Phosphorus as Phosphate	7783-28-0	23.0%
Potassium as Nitrate	7778-80-5	18.0%
Iron (Fe) as EDTA Chelate	15708-42-6	0.01%
Zinc (Zn) as EDTA Chelate	39208-16-7	0.05%
Manganese (Mn) as EDTA Chelate	15375-84-5	0.07%
Copper (Cu) as EDTA Chelate	14025-15-1	0.02%
Boron(B) as Sodium Borate	1303-96-4	0.013%
Molybdenum (Mo) as Sodium Molybdate	7631-95-0	0.006%
Inert Ingredients (e.g. colour)		0.2%

Full text of R/S-phrases: see section 16

Full text of H- and EUH-phrases: see section 16

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4. FIRST AID MEASURES

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

Eye Contact:

In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

Ingestion:

If swallowed, do not induce vomiting. Give large amounts of water. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

Symptoms Caused by Exposure:

Inhalation: May cause headaches and dizziness.

Skin Contact: Causes skin burns.

Eye Contact: Causes eye damage.

Ingestion: Harmful if swallowed. May cause irritation to mouth, throat and stomach.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Use fire extinguishing methods suitable to surrounding conditions.

Unsuitable Extinguishing Media: No information available

Hazards from Combustion Products: No information available

Specific Hazards Arising from the Chemical: No information available

Special Protective Equipment and Precautions for Fire Fighters: When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: Wear approved respiratory protection, chemical resistant gloves, protective clothing and safety boots. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation.

Environmental Precautions: In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up: Stop leak if safe to do so and sweep powder into a pile and shovel into drums for subsequent disposal. Avoid generating dust. Provide adequate ventilation.

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7. HANDLING AND STORAGE

Precautions for Safe Handling: Use of safe work practices are recommended to avoid eye or skin contact and inhalation of dust. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage: Store in a cool, dry and well-ventilated area. Keep container tightly closed when not in use. Keep away from strong oxidising agents. Avoid contact with strong alkalis, oxidizers and reducing agents, fuels and other organic or combustible materials. Protect from extreme heat.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Biological Limit Values: Not Available

Engineering Controls: Ensure adequate ventilation of the working area.

Respiratory Protection: Not necessary under normal conditions.

Skin Protection: PVC, PVA, nitrile, neoprene, rubber or vinyl gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection: Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand

Standard AS/NZS 1337 for more information.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: No information available

Form: Powder

Colour: Blue

Odour: Neutral

Odour Threshold: No information available

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pH-Value (1% solution): 7.8

Melting point/Melting range: No information available

Initial Boiling Point/Boiling Range: ~100 °C

Flash Point: Not applicable

Flammability: Non-flammable solid.

Auto-ignition Temperature: No information available

Decomposition Temperature: No information available

Explosion Limits: Not applicable

Lower: Not applicable

Upper: Not applicable

Vapour Pressure: Not applicable

Density: No information available

Relative Density at 20 °C: No information available

Vapour Density: No information available

Evaporation Rate: No information available

Solubility in Water: 40% (400 gm per 1000 mL) @ 25°C

Partition Coefficient (n-octanol/water): No information available

10. STABILITY AND REACTIVITY

Possibility of Hazardous Reactions: Hazardous polymerisation will not occur.

Chemical Stability: Stable at ambient temperature and under normal conditions of use.

Conditions to Avoid: Contact with strong alkalis, oxidisers and reducing agents. Contact with fuels and other organic or combustible materials.

Incompatible Materials: Strong oxidising agents.

Hazardous Decomposition Products: No information available.

11. TOXICOLOGICAL INFORMATION

Acute Health Effects

Inhalation: May cause headaches and dizziness.

Skin: Causes severe skin burns.

Eye: Causes eye damage.

Ingestion: May be harmful if swallowed. May cause irritation to mouth, throat and stomach.

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Skin Corrosion / Irritation: Causes severe skin burns.

Serious Eye Damage / Irritation: Causes serious eye damage.

Respiratory or Skin Sensitisation: Based on classification principles, the classification criteria are not met.

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.

Carcinogenicity: This product does NOT contain any IARC listed chemicals.

Reproductive Toxicity: Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Single Exposure: Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure: Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.

Chronic Health Effects: No information available.

Existing Conditions Aggravated by Exposure: No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity: No information available

Aquatic toxicity: No information available

Persistence and Degradability: No information available

Bioaccumulative Potential: No information available

Mobility in Soil: When released into the soil, this material is expected to quickly adhere to soil particles. Excessive rainfall and/ or irrigation may cause leaching and contamination to waterways.

Other adverse effects: No information available

13. DISPOSAL CONSIDERATIONS

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.

Special Precautions for Landfill or Incineration: Please consult your state Land Waste Management Authority for more information.

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14. TRANSPORT INFORMATION

U.N. Number: Not regulated

U.N. Proper Shipping Name: Not regulated

Transport Hazard Class(es): Not regulated

Packing Group: Not regulated

Hazchem Code: Not regulated

Special Precautions by User: Not regulated

IERG Number: Not regulated

IATA/ICAO Proper Shipping Name: Not regulated

IATA/ICAO Hazard Class: Not regulated

IATA/ICAO Packing Group: Not regulated

IATA/ICAO Symbol: Not regulated

IMDG U.N . No.: Not regulated

IMDG Proper Shipping Name: Not regulated

IMDG Hazard Class: Not regulated

IMDG Packing Group: Not regulated

IMDG Marine Pollutant: Not regulated

IMDG EMS: Not regulated

Transport in Bulk: Not regulated

15. REGULATORY INFORMATION

Australian Inventory of Chemical Substances:

7440-09-7	Potassium
7723-14-0	Red phosphorus
1303-96-4	Disodium tetraborate, decahydrate

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule: Not Scheduled.

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16. OTHER INFORMATION

Date of Preparation or Last Revision: 16.01.2023

Prepared by: AGSPEC

References:

Abbreviations and acronyms:

ADG: Australian Dangerous Goods

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of

Chemicals CAS: Chemical Abstracts Service (division of the

American Chemical Society) IARC: International Agency for

Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Disclaimer

This SDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - December 2011"

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