

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™-K 15-2-25

Other Means of Identification: Fertilizer

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 Street

Mt Gambier, SA 5290

Phone Number: 1800 683 456

Emergency telephone number: +61 427 490 551

2. HAZARD IDENTIFICATION

GHS Classification of the substance: Non-Hazardous according to criteria of the ASCC.

Classified as Non-Dangerous Good according to the ADG Code.

Signal Word(s): Not Applicable

Risk Phrases:

R21/22 Harmful in contact with skin and if swallowed.

R43 May cause sensitization by skin contact.

Safety Phrases:

S2 Keep out of reach of children

S24/25 Avoid contact with skin and eyes.

S37 Wear suitable gloves.

Pictogram(s): Not Applicable

3. COMPOSITION AND INFORMATION ON INGREDIENTS

INGREDIENTS	PROPORTION
Nitrogen *	15%
Phosphorus *	2%
Potassium *	25%
Magnesium as Sulphate	0.19%
Copper as EDTA Chelate	0.02%

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Zinc as EDTA Chelate	0.05%
Manganese as EDTA Chelate	0.07%
Iron as EDTA Chelate	0.1%
Boron as Sodium Borate	0.013%
Molybdenum as sodium molybdate	0.006%

*Source material comprises of nitrate, ammonium and phosphates.

4. FIRST AID MEASURES

Inhalation: Remove to fresh air.

Skin Contact: If skin contact occurs, remove contaminated clothing and wash skin thoroughly with soap and water.

Eye Contact: If eye contact is made hold eyes open, flood with water for at least 15 minutes and see a doctor.

Ingestion: If ingestion occurs, immediately give large amounts of water. Do not induce vomiting.

First Aid: First aid measures should be executed by trained personnel only.

Advice to Doctor: None under normal processing.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: This product is a non-flammable solid. Preferred extinguishing media is water or foam. Contain all run-off.

Unsuitable Extinguishing Media: Not Available

Hazards from Combustion Products: Not Available

Specific Hazards Arising from the Chemical: Not Available

Hazchem Code: Not Available

Decomposition Temperature: Not Available

Special Protective Equipment and Precautions for Fire Fighters: Isolate fire area. Wear full protective clothing and self-contained breathing apparatus. Do not breathe smoke or vapours generated.

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6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: For good hygiene practices, wear protective equipment to prevent skin contamination.

Environmental Precautions: Not Available

Methods and Materials for Containment and Cleaning Up: In the case of spillage, contain spilled material and dispose of waste as indicated in section 13.

7. HANDLING AND STORAGE

Precautions for safe handling: Wash hands after use.

Conditions for safe storage: Store in the closed, original container in a well-ventilated area. Do not store for prolonged periods in direct sunlight or moisture.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Personal Protective equipment (PPE):

Skin: Use normal hygiene practices when opening the container and using the product, by wearing rubber gloves when using. Wash before smoking, eating or using toilet facilities. Wash hands after use. Respiratory protection is generally not required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Soluble Powder

Odour: Nil

Boiling point: approximately 100°C.

pH (1% solution): 5.5-5.8

Freezing point: Not applicable - solid at room temperature.

Density: at 20°C.

Solubility in Water: 100% soluble in water.

Flammability: Non-Flammable solid.

Corrosive hazard: Not corrosive.

Flashpoint (°C): Not established.

Flammability Limits (%): Not established.

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Poisons Schedule: Non-Scheduled Poison.

10. STABILITY AND REACTIVITY

Chemical Stability: Product is stable.

Conditions to avoid: **Extreme heat.** Contact with strong alkalis, oxidizers and reducing agents. Contact with fuels and other organic or combustible materials. Strong reducing agents.

Incompatible materials: Strong oxidising agents.

Hazardous Reactions: No special considerations.

11. TOXICOLOGICAL INFORMATION

Acute Health Effects

Swallowed: Harmful if swallowed. If swallowed, may cause irritation to mouth, throat and stomach.

Eye: Irritating.

Skin: Skin contact may cause photosensitization of skin areas.

Inhaled: Inhalation of vapour may cause headaches and dizziness.

Long Term Exposure: No data is available.

Reproductive effects: No data is available.

Teratogenic effects: There is no evidence that Blue Spear is teratogenic.

Mutagenic effects: There is no evidence that Blue Spear is mutagenic.

Carcinogenic effects: There is no evidence that Blue Spear is carcinogenic.

Organ toxicity: There is no evidence that Blue Spear causes organ toxicity.

12. ECOLOGICAL INFORMATION

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.

13. DISPOSAL CONSIDERATIONS

Spills and Disposal: Persons involved in cleanup should use normal hygiene practices when cleaning up spills - see section 8. In case of spillage, contain spilled material and dispose of waste as indicated below. Keep material out of streams and sewers. Shovel waste into an approved drum. Dispose of drummed wastes, including decontamination solution in accordance with the requirements of Local or State Waste Management Authorities.

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Dispose of empty container by wrapping in paper, placing in a plastic bag and putting in garbage.

14. TRANSPORT INFORMATION

Classified as a Non-Dangerous Good by the criteria of the Australian Dangerous Goods Code.

15. REGULATORY INFORMATION

Under the Standard for Uniform Scheduling of Drugs and Poisons (SUSDP), this product is a Nonscheduled poison.

This product is classified as a Non-Hazardous Substance under the criteria of the ASCC. (Xn, Xi).

This product is classified as a Non-Dangerous Good under the Australian Code for the Transport of Dangerous Goods by Road and Rail.

16. OTHER INFORMATION

Date of Preparation or Last Revision: 16.01.2023

Prepared by: AGSPEC

References:

1. "Search Hazardous Substances". Australian Safety and Compensation Council website. (2008).
2. "Approved Criteria for Classifying Hazardous Substances" 3rd Ed. NOHSC Australia. [NOHSC:1008 (2004)]. October 2004.

Abbreviations and acronyms:

ADG Code- Australian Dangerous Goods Code (for the transport of dangerous goods by Road and Rail).

ASCC Australian Safety & Compensation Council (formally known as the National Occupational Health & Safety Commission (NOHSC)).

Carcinogen- An agent which is responsible for the formation of a cancer.

Genotoxic- Capable of causing damage to genetic material, such as DNA.

NOHSC- National Occupational Health and Safety Commission.

PPE- Personal protective equipment.

Teratogen- An agent capable of causing abnormalities in a developing foetus.

TWA- The Time Weighted Average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL- Short Term Exposure Limit.

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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