Section 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Identity	Reliance - Blue Boost Electrolyte
Alternate Names	Not Applicable

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended Uses and Uses Advised Against	Animal Feed Premix

1.3. Details of the supplier of the safety data sheet

Company Name	Image Holdings Limited 50 Central Park Drive Henderson Auckland 0610 New Zealand
Emergency	
24 hour Emergency Telephone No.	National Poisons Information Centre: 0800 POISON [0800 764 766] Other Emergency Number: +64 21 934 058 Transport Emergency: 111 - Tell operator what service is needed: Fire, Ambulance, Police.
Customer Service: Image Holdings Limited	+64 9 834 3783
Email Address	info@imageholdings.co.nz Website: www.imageholdings.co.nz

Section 2. Hazard identification of the product

Emergency Overview

WARNING! MAY FORM COMBUSTIBLE DUST CONCENTRATIONS IN AIR (DURING PROCESSING)

2.1. Classification of the substance or mixture

Classification in accordance with GHS revision 7 and New Zealand EPA's Hazardous Substances and New Organisms (HSNO) and Worksafe's Health and Safety at Work Act (HSWA) regulations.

Ecotoxicity to terrestrial vertebrates.

2.2. Label elements

Warning

Ecotoxicity to terrestrial vertebrates.

[Prevention]

P273 Avoid release to the environment.

[Response]
No GHS response statements
[Storage]
No GHS storage statements
[Disposal]
P501 Dispose of contents or container in accordance with local and national regulations.

2.3. Other hazards
This product contains no PBT/vPvB/vPvM chemicals.
This product contains no endocrine disrupting chemicals.
May form combustible dust concentrations in air.

Section 3. Composition/information on ingredients

If the product contains substances that present a hazard according to the WHS Regulations, they are listed below.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
D-Glucose **CAS Number: 50-99-7**	**50 - 75**	**Combustible Dust**	
Sodium chloride **CAS Number: 7647-14-5**	**5 - 10**	**Not Classified**	
Silica gel, precipitated **CAS Number: 112926-00-8**	**5 - 10**	**Not Classified**	
trisodium citrate **CAS Number: 6132-04-3**	**5 - 10**	**Not Classified**	
Aminoacetic Acid **CAS Number: 56-40-6**	**5 - 10**	**Not Classified**	
Potassium chloride **CAS Number: 7447-40-7**	**1 - 5**	**Not Classified**	

In accordance with the WHS Regulations, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.
*PBT/vPvB - PBT,vPvB, or vPvM-substance.
The full texts of the phrases are shown in Section 16.

List of chemicals with ecotoxicity to terrestrial vertebrates.

Potassium chloride

Section 4. First aid measures

4.1. Description of first aid measures

General In all cases of doubt, or when symptoms persist, seek medical attention.
Never give anything by mouth to an unconscious person.
Inhalation Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
Eye Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.
Skin Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.
Ingestion If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

Overview No specific symptom data available.
No chronic toxicity or long term toxicity information available. Treat symptomatically. See section 2 for further details.

4.3. Indication of any immediate medical attention and special treatment needed

Notes to physician Treat symptomatically.

Section 5. Fire-fighting measures

5.1. Extinguishing media

Recommended extinguishing media; alcohol resistant foam, CO_2, powder, water spray.
Unsuitable extinguishing media: Do not use; water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: No hazardous decomposition data available.
Explosion: Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

5.3. Advice for fire-fighters

As with all fires, wear positive pressure, self-contained breathing apparatus, (SCBA) with a full face piece and protective clothing. Persons without respiratory protection should leave area. Wear SCBA during clean-up immediately after fire. No smoking.
Dust explosions are possible.

Section 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).
Dust Deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.

Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).

Nonsparking tools should be used.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.2. Environmental precautions

Explosion: Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
Do not allow spills to enter drains or waterways.

6.3. Methods and material for containment and cleaning up

Sweep or vacuum to clean up spills. Do not use any procedure which causes dispersion of dust into the air if any possibility of ignition exists. Dispose of in accordance with local, state and federal regulations.

6.4 Reference to other sections

See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

Section 7. Handling and storage

7.1. Precautions for safe handling

Handle containers carefully to prevent damage and spillage.
Avoid dust generation when handling product to minimize dust explosion potential.
See section 2 for further details. - [Prevention]

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed.
Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.
Incompatible materials: No available information
See section 2 for further details. - [Storage]

7.3. Specific end use(s)

No available information

Section 8. Exposure controls / personal protection

8.1. Control parameters

Exposure Limits

CAS No.	Ingredient	Source	Value
50-99-7	D-Glucose	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
56-40-6	Aminoacetic Acid	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
6132-04-3	trisodium citrate	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
7447-40-7	Potassium chloride	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
7647-14-5	Sodium chloride	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
112926-00-8	Silica gel, precipitated	OSHA	No Established Limit
		ACGIH	TWA: 4mg/m^3(total) 1.5 mg/m^3(Respirable)
		NIOSH	No Established Limit

The exposure limits for nuisance dust are: OSHA PEL: 15 mg/m^3(50 mppcf*) TWA, ACGIH 10 mg/m^3.

8.2. Exposure controls

Respiratory If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.

Eyes	Protective safety glasses recommended
Skin	Avoid skin contact. Protective gloves recommended.
Engineering Controls	It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen- deficient environment. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). Use only appropriately classified electrical equipment and powered industrial trucks.
Other Work Practices	Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

Section 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Color: No available information
Physical State	Powder
Odor	Characteristic
Odor threshold	No available information
pH	No available information
Melting point / freezing point	No available information
Initial boiling point and boiling range	No available information
Flash Point	No available information
Evaporation rate (Ether = 1)	No available information
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	**Lower Explosive Limit:** No available information **Upper Explosive Limit:** No available information
Vapor pressure (Pa)	No available information
Vapor Density	No available information
Relative Density	No available information
Solubility in Water	No available information
Partition coefficient n-octanol/water (Log Kow)	No available information
Auto-ignition temperature	No available information
Decomposition temperature	No available information
Viscosity (cSt)	No available information
Oxidising properties	No available information
Explosive properties	No available information
Particle Characteristics	---

9.2. Other information
No other relevant information.

Section 10. Stability and reactivity

10.1. Reactivity
Hazardous Polymerization will not occur.

10.2. Chemical stability
Stable under normal circumstances.

10.3. Possibility of hazardous reactions
No available information

10.4. Conditions to avoid
Avoid high temperatures and contact with incompatible material
10.5. Incompatible materials
No available information
10.6. Hazardous decomposition products
No hazardous decomposition data available.

Section 11. Toxicological information

Acute toxicity

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapour LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
D-Glucose - (50-99-7)	No data available.	No data available.	No data available.	No data available.	No data available.
Aminoacetic Acid - (56-40-6)	No data available.	No data available.	No data available.	No data available.	No data available.
trisodium citrate - (6132-04-3)	No data available.	No data available.	No data available.	No data available.	No data available.
Potassium chloride - (7447-40-7)	No data available.	No data available.	No data available.	No data available.	No data available.
Sodium chloride - (7647-14-5)	No data available.	No data available.	No data available.	No data available.	No data available.
Silica gel, precipitated - (112926-00-8)	> 5,000.00, Rat - Category: NA	> 5,000.00, Rabbit - Category: NA	No data available	No data available.	No data available.

Carcinogen Data

CAS No.	Ingredient	Source	Value
50-99-7	D-Glucose	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	No Established Limit
56-40-6	Aminoacetic Acid	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	No Established Limit
6132-04-3	trisodium citrate	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	No Established Limit
7447-40-7	Potassium chloride	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	No Established Limit
7647-14-5	Sodium chloride	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	No Established Limit
112926-00-8	Silica gel, precipitated	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes;
		ACGIH	No Established Limit

11.2 Information on other hazards

11.2.1. Endocrine disrupting properties

This product contains no endocrine disrupting chemicals.

Section 12. Ecological information

12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/L	48 hr EC50 crustacea, mg/L	ErC50 algae, mg/L
D-Glucose - (50-99-7)	No data available.	No data available.	No data available.
Aminoacetic Acid - (56-40-6)	> 1,000.00, Oryzias latipes	> 220.00, Daphnia magna	> 10,000.00, Pseudokirchneriella subcapitata
trisodium citrate - (6132-04-3)	No data available.	No data available.	No data available.
Potassium chloride - (7447-40-7)	No data available.	No data available.	No data available.
Sodium chloride - (7647-14-5)	5,840.00, Lepomis macrochirus	1,900.00, Daphnia magna	2,430.00, Ankistrodesmus falcatus
Silica gel, precipitated - (112926-00-8)	10,000.00, Fish	10,000.00, Daphnia magna	10,000.00, Algae

12.2. Persistence and degradability

There is no data available on the preparation itself.

12.3. Bioaccumulative potential

No available information

12.4. Mobility in soil

No available information

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB/vPvM chemicals.

12.6 Endocrine disrupting properties

This product contains no endocrine disrupting chemicals.

12.7. Other adverse effects

No available information

Section 13. Disposal considerations

13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

Section 14. Transport information

	ADR/RID	IMO / IMDG (Ocean Transportation)	ICAO/IATA
14.1. UN number	Not Regulated	Not Regulated	Not Regulated
14.2. UN proper shipping name	Not Regulated	Not Regulated	Not Regulated
14.3. Transport hazard class(es)	**Class:**Not Applicable **Sub Class:**Not Applicable	**Class:**Not Applicable **Sub Class:**Not Applicable	**Class:**Not Applicable **Sub Class:**Not Applicable
14.4. Packing group	Not Applicable	Not Applicable	Not Applicable

14.5. Environmental hazards

IMDG Marine Pollutant: No;

14.6. Special precautions for user

No available information

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not Applicable

Section 15. Regulatory information

Classification in accordance with GHS revision 7 and New Zealand EPA's Hazardous Substances and New Organisms (HSNO) and Worksafe's Health and Safety at Work Act (HSWA) regulations.
HSR002521 -Animal Nutritional and Animal Care Products Group Standard 2020

Section 16. Other information

Revision Date	7/5/2025
Revision Number	6969

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

Refer to NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids, for safe handling.3

The full text of the phrases appearing in section 3 is:

Not Applicable

Disclaimer: The information presented herein is supplied as a guide to those who handle or use this product. Safe work practices must be employed when working with any materials. It is important that the end user makes a determination regarding the adequacy of the safety procedures employed during the use of this product.

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