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SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

PRODUCT IDENTIFIER:

BE POWDER

OTHER MEANS OF IDENTIFICATION:

EBE BE PREMIUM EXTINGUISHER POWDER 25KG BAG

EBED BE PREMIUM EXTINGUISHER POWDER 20KG DRUM

RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST:

Relevant identified uses: fire extinguishing agent for use on electrical and flammable liquids.

DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:

Supplier: Atlantis Fire & Safety Services
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PREPARED IN ACCORDANCE WITH THE NATIONAL CODE OF PRACTICE FOR THE PREPARATION OF MATERIAL SAFETY DATA SHEETS 2ND EDITION [NOHSC:2011(2003)]

SECTION 2 - HAZARD(S) IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:

Classification according to the the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia

Not classified

Classification according to the the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th Edition)

Not classified

LABEL ELEMENTS:

This product is not classified as hazardous

OTHER HAZARDS:

No information available

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

MIXTURE INGREDIENTS

Ingredient (Designation)	CAS No.	Percentage of Ingredients
Nitrogen	7727-37-9	Not known, gas
Silica Gel	112926-00-8	0.3%
Sodium Bicarbonate	144-55-8	90%
Calcium Carbonate	1317-65-3	<10%

SECTION 4: FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES:

After inhalation

Remove from exposure. If irritation persists, seek medical attention.

After skin contact

Wash affected area with soap and water. If irritation persists, seek medical attention.

After eye contact

Wash with water for a minimum of 15 minutes. If irritation persists, seek medical attention.

After ingestion

Dilute by drinking large quantities of water.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE, DELAYED AND AGGREGATED

Reactivate airway.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

See above. If symptoms persist, seek medical attention.

SECTION 5: FIREFIGHTING MEASURES

EXTINGUISHING MEDIA

Product is an extinguishing media. Use appropriate fire extinguisher for surrounding environment.

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

This product is non-combustible. However, under fire conditions this product may emit toxic and/or irritating fumes and gases including carbon dioxide.

ADVICE FOR FIREFIGHTERS

This product should be prevented from entering drains and watercourses.

Appropriate personal protective equipment for fire fighters:

Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) and full protective clothing to prevent exposure to vapours, fumes or products of combustion.

Hazchem code:

No Hazchem Code issued to these articles. No HIN issued under RID and ADR.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

Wear appropriate personal protective equipment and clothing to minimise exposure. Avoid skin and eye contact.

ENVIRONMENTAL PRECAUTIONS

Increase ventilation. If possible contain the spill. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Sweep or vacuum up contents and place in sealed container for disposal.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Advice on safe use of product:

Maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, smoking or using toilet facilities.

Advice on safe handling:

Avoid inhalation of dust and skin or eye contact. Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of dust in the work atmosphere. Maintain high standards of personal hygiene as mentioned above.

Environmental precautions:

Prevent the build up of dusts in the work atmosphere.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Technical measures and storage conditions:

Always store in dry, cool area out of direct sunlight in original container with lid tightly closed.

SECTION 7 - HANDLING AND STORAGE (CONTINUED)

Requirements for storage rooms and containers:

Keep containers closed when not in use. Ensure that storage conditions comply with applicable local and national regulations. Always store in dry, cool area in original container with lid tightly closed.

Suitable container/equipment material:

No information available.

Unsuitable container/equipment material:

No information available.

Information on combines storage:

No information available.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

CONTROL PARAMETERS / OCCUPATIONAL EXPOSURE LIMIT VALUES

No exposure standards have been established for this material. However, the available exposure limits for ingredients are listed below:

Safe Work, Australia Exposure Standards:

Substance	CAS No.	TWA*	STEL**
Silica Gel	112926-00-8	ppm - 10 mg/m ³	No value assigned (for inspirable dust containing no asbestos and less than 1% crystalline silica)

*TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

**STEL (Short Term Exposure Limit): The average airborne concentration over a minute period which should not be exceeded at any time during a normal eight-hour workday.

EXPOSURE CONTROLS

Appropriate engineering controls:

Use with good general ventilation. If solids/dusts are produced, local exhaust ventilation should be used. Systems under pressure should be regularly checked for leakages.

Individual protective measures, e.g. Personal Protective Equipment:

The following recommendations should be considered: Wear chemical goggles, chemical resistant gloves and dust mask.

Environmental exposure controls

Not known

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance - Physical state: - Colour:	Crystals Solid White
Odour:	No odour warning properties
Odour threshold:	Odour threshold is subjective and inadequate to warn for overexposure.
pH:	no information available
Melting point (°C):	270
Boiling point (°C):	no information available
Molar mass:	no information available
Critical temperature (°C):	no information available
Flash point (°C):	no information available
Evaporation rate (ether=1):	no information available
Flammability range (vol% in air):	Non flammable.
Vapour pressure (at 20°C):	no information available
Vapour density:	no information available
Relative density, gas (air=1):	no information available
Relative density, liquid (water =1):	no information available
Solubility in water (g/100g):	16.4
Partition coefficient n-octanol/water:	no information available
Viscosity at 20°C (mPa.s):	no information available
Explosive properties:	no information available
Molecular weight:	no information available
Other information:	Specific gravity: ~2.2 (H2O=1)

SECTION 10 - STABILITY AND REACTIVITY

REACTIVITY

Reacts with incompatible materials.

CHEMICAL STABILITY

Stable under normal storage & handling conditions.

CONDITIONS TO AVOID

None

SECTION 10 - STABILITY AND REACTIVITY (CONTINUED)

INCOMPATIBLE MATERIALS

Strong acids, NaK alloy, and NH₄H₂P₀4

HAZARDOUS DECOMPOSITION PRODUCTS

Under fire conditions this product may emit toxic and/or irritating fumes and gases including carbon dioxide. Polymerization will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

Toxicity Information This chemical formulation has not been tested for health effects.	
Acute toxicity:	This product has not been tested
Skin corrosion/irritation:	This product has not been tested
Serious eye damage/irritation:	This product has not been tested
Respiratory or skin sensitisation:	This product has not been tested
Germ cell mutagenicity:	This product has not been tested
Carcinogenicity:	This product has not been tested
Reproductive toxicity:	This product has not been tested
Specific Target Organ Toxicity (STOT) – single exposure:	This product has not been tested
Specific Target Organ Toxicity (STOT) – repeated exposure:	This product has not been tested
Aspiration hazard:	This product has not been tested

INFORMATION ON POSSIBLE ROUTES OF EXPOSURE

Eye contact:	Mildly irritating for short periods of time.
Skin contact:	May be mildly irritating.
Inhalation:	May irritate the respiratory tract. Transient cough, shortness of breath.
Ingestion:	Not an expected route of entry, however, ingestion may cause irritation.
Acute overexposure:	No information available.
Chronic overexposure:	Chronic fibrosis of the lung.

SECTION 11 - TOXICOLOGICAL INFORMATION (CONTINUED)

EARLY ONSET SYMPTOMS RELATING TO EXPOSURE

No information available

DELAYED HEALTH EFFECTS FROM EXPOSURE

No information available

EXPOSURE LEVELS AND HEALTH EFFECTS

No information available

INTERACTIVE EFFECTS

No information available

SECTION 12 - ECOLOGICAL INFORMATION

ECOTOXICITY

Not determined.

PERSISTENCE AND DEGRADABILITY

No information available.

BIOACCUMULATIVE POTENTIAL

No information available.

MOBILITY IN SOIL

No information available.

OTHER ADVERSE EFFECTS

Carbon dioxide from decomposition or reaction is a global warming gas.

FURTHER INFORMATION

No information available.

SECTION 13 - DISPOSABLE CONSIDERATIONS

DISPOSABLE METHODS

Dispose of waste according to applicable local and national regulations.

PHYSICAL/CHEMICAL PROPERTIES THAT MAY AFFECT DISPOSAL OPTIONS

Not determined.

EFFECTS OF SEWAGE DISPOSAL

Not determined.

SPECIAL PRECAUTIONS FOR INCINERATION OR LANDFILL

No information available.

SECTION 14 - TRANSPORT INFORMATION

Road and Rail Transport

Not Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG) for transport by Road and Rail

Marine Transport

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations

SECTION 15 - REGULATORY INFORMATION

SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE

Not classified according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia. Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

AICS (Australia)

All components of this product are listed on the Australian Inventory of Chemical Substances (AICS) or exempted

Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16 - OTHER INFORMATION

KEY LITERATURE REFERENCES AND SOURCES

Classification in accordance with the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [NOHSC:2011(2003)].

This Safety Data Sheet where necessary has been established in accordance with the applicable European Union legislation and has used calculation methods of regulation (EC) 1272/2008 CLP / (EC) 1999/45 DPD.

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

Australian Inventory of Chemical Substances (AICS)

Australian Code for the Transport of Dangerous Goods by Road & Rail (2015, 7th Edition, 7.4)

Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.

International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

Workplace exposure standards for airborne contaminants, Safe work Australia.

International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

DISCLAIMER

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For contact information please go to page 1 of this SDS.

END OF SDS.

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