FlameStop

# SAFETY DATA SHEET

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FlameStop NSW (Head Office)
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## SECTION 1 - IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

### PRODUCT IDENTIFIER:

# FLAMESTOP 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:** | FlameStop |
| **Street:** | 16 Davis Road |
| **Postal code/city:** | Wetherill Park, NSW. 2164 |
| **Country:** | Australia |
| **Telephone:** | +61 2 9725 3322 - 7am-4:30pm AET Mon-Fri |
| **Telefax:** | +61 2 9725 1262 - 7am-4:30pm AET Mon-Fri |
| **E-mail:** | sales@flamestop.com.au |
| **Website:** | http://www.flamestop.com.au |
| **Dept. responsible for information:** | Compliance |

### EMERGENCY CONTACT NUMBER: +61 425 342 729

### 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 AGGREVATED

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**<br>**- Physical state:**<br>**- Colour:** | Crystals<br>Solid<br>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 (H20=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 $NH_4H_2PO_4$

### 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 - TOXILOGICAL INFORMATION

### INFORMATION ON TOXICOLOGICAL EFFECTS

| **Toxicity Information**<br>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.<br>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 - TOXILOGICAL 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 decomoposition 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.

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

### END OF SDS.