

## SECTION 1 - IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

### PRODUCT IDENTIFIER:

# FLAMESTOP (ABE) (ABCE) EXTINGUISHERS

### OTHER MEANS OF IDENTIFICATION:

<b>FSW100</b> FLAMESTOP 1.0KG ABE POWDER PORTABLE EXTINGUISHER	<b>FSZ100N</b> FLAMESTOP 1.0KG ABE POWDER PORTABLE EXTINGUISHER
<b>FSZ01B</b> FIRE KNIGHT 1.0KG ABE POWDER PORTABLE EXTINGUISHER	<b>FSZ100H</b> FLAMESTOP 1.0KG ABE POWDER PORTABLE EXTINGUISHER
<b>FSZ100</b> FLAMESTOP 1.0KG ABE POWDER PORTABLE EXTINGUISHER	<b>FSZ01FK</b> FIRE KNIGHT 1.0KG ABE POWDER PORTABLE EXTINGUISHER
<b>FS150</b> FLAMESTOP 1.5KG ABE POWDER PORTABLE EXTINGUISHER	<b>FSZ220GO</b> FLAMESTOP 2.0KG ABE POWDER PORTABLE EXTINGUISHER
<b>FS200</b> FLAMESTOP 2.0KG ABE POWDER PORTABLE EXTINGUISHER	<b>FSZ2320GO</b> FLAMESTOP 2.3KG ABCE POWDER PORTABLE EXTINGUISHER
<b>FSZ230</b> FLAMESTOP 2.3KG ABE POWDER PORTABLE EXTINGUISHER	<b>FSZ2520GO</b> FLAMESTOP 2.5KG ABE POWDER PORTABLE EXTINGUISHER
<b>FSZ250GO</b> FLAMESTOP 2.5KG ABE POWDER PORTABLE EXTINGUISHER	<b>FSZ2520GO-SS</b> FLAMESTOP 2.5KG ABE POWDER STAINLESS STEEL PORTABLE EXTINGUISHER
<b>FSZ450</b> FLAMESTOP 4.5KG ABE POWDER PORTABLE FIRE EXTINGUISHER	<b>FSZ4520GO</b> FLAMESTOP 4.5KG ABCE POWDER PORTABLE EXTINGUISHER
<b>FSZ450GO</b> FLAMESTOP 4.5KG ABE POWDER PORTABLE EXTINGUISHER	<b>FSZ4520HP-SS</b> FLAMESTOP 4.5KG ABCE POWDER STAINLESS STEEL PORTABLE EXTINGUISHER
<b>FSZ450H</b> FLAMESTOP 4.5KG ABE POWDER HIGH PERFORMANCE PORTABLE EXTINGUISHER	<b>FSZ4520HP</b> FLAMESTOP 4.5KG ABCE POWDER HIGH PERFORMANCE PORTABLE EXTINGUISHER
<b>FSZ900</b> FLAMESTOP 9.0KG ABE POWDER PORTABLE EXTINGUISHER	<b>FSZ920GO</b> FLAMESTOP 4.5KG ABCE POWDER PORTABLE EXTINGUISHER
<b>FSZ900H</b> FLAMESTOP 9.0KG ABE POWDER HIGH PERFORMANCE PORTABLE EXTINGUISHER	<b>FSZ920HP</b> FLAMESTOP 4.5KG ABCE POWDER HIGH PERFORMANCE PORTABLE EXTINGUISHER
<b>M30ABE</b> FLAMESTOP 30KG ABE MOBILE EXTINGUISHER	<b>FSZ920HP-SS</b> FLAMESTOP 4.5KG ABCE POWDER STAINLESS STEEL PORTABLE EXTINGUISHER
<b>M50ABE</b> FLAMESTOP 50KG ABE MOBILE EXTINGUISHER	
<b>M70ABE</b> FLAMESTOP 70KG ABE MOBILE EXTINGUISHER	
<b>M90ABE</b> FLAMESTOP 90KG ABE MOBILE EXTINGUISHER	
<b>M3KGAUTO79</b> FLAMESTOP 3.0KG AUTOMATIC EXTINGUISHER	
<b>M6KGAUTO79</b> FLAMESTOP 6.0KG AUTOMATIC EXTINGUISHER	
<b>M9KGAUTO79</b> FLAMESTOP 9.0KG AUTOMATIC EXTINGUISHER	

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

Use of substance / mixture: fire extinguishing agent

### 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**

## 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

Classified as dangerous - Gases under Pressure - Compressed Gas

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

Classified as Dangerous Goods

### LABEL ELEMENTS:

<b>Hazard pictograms</b>	
<b>Pictogram code</b>	GHS04 Gas Cylinder
<b>Signal word</b>	<b>WARNING</b>
<b>Hazard statements</b>	
<b>Physical Hazards</b>	<b>H280</b> Contains gas under pressure; may explode if heated.
<b>Health Hazards</b>	
<b>Environmental Hazards</b>	
<b>Combinations</b>	
<b>Precautionary statements</b>	
<b>General</b>	
<b>Prevention</b>	
<b>Response</b>	
<b>Storage</b>	<b>P410+P403</b> Protect from sunlight. Store in a well ventilated space.
<b>Disposal</b>	

### OTHER HAZARDS:

No other hazards.

## SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

### SUBSTANCES

This product is a mixture.

### HAZARDOUS INGREDIENTS

Ingredient (Designation)	CAS No.	Percentage of Ingredients
<b>Mono Ammonium Phosphate</b>	7722-76-1	40-90%
<b>Ammonium Sulphate</b>	7783-20-2	10-60%
<b>Silica Gel</b>	112926-00-8	0.3%
<b>Nitrogen UN1066</b>	7727-37-9	Not known, gas

## SECTION 4: FIRST AID MEASURES

### DESCRIPTION OF FIRST AID MEASURES:

#### After inhalation

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

#### After skin contact

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

#### After eye contact

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

#### After ingestion

If patient is conscious, give large amounts of water and induce vomiting. Seek medical help.

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

Not known

### INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

None.

## SECTION 5: FIREFIGHTING MEASURES

### EXTINGUISHING MEDIA

This is an extinguishing agent. Use appropriate fire extinguisher for surrounding environment.

### SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Ammonia and/or phosphorous oxides can be evolved at very high temperatures. Exposure to fire may cause containers to rupture/explode.

## SECTION 5: FIREFIGHTING MEASURES (CONTINUED)

### ADVICE FOR FIREFIGHTERS

In case of fire the product may be violently or explosively reactive. If safe to do so, remove containers from path of fire. Keep containers and fire-exposed surfaces cool with water spray. 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:

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

### ENVIRONMENTAL PRECAUTIONS

If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations. Dispose of waste according to the applicable local and national regulations.

### METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

If possible contain the spill. Sweep or vacuum up contents and place in sealed labelled 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 i.e. Washing hands prior to eating, drinking, smoking or using toilet facilities.

#### 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. Do not allow any part of a cylinder to be exposed above 50°C. Storage areas should be kept clean and free from flammable materials. Ensure that containers are properly vented to prevent build up of pressure. Ensure that storage conditions comply with applicable local and national regulations. For information on the design of the storeroom.

### 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 <sup>3</sup>	No value assigned (for inspirable dust containing no asbestos and less than 1% crystalline silica)
Nitrogen***	7727-37-9	No value assigned	No value assigned

\*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.

\*\*\* Nitrogen is an asphyxiant gas which when present in an atmosphere in high concentration, leads to reduction of oxygen concentration by displacement or dilution. It is not appropriate to recommend an exposure standard for an asphyxiant, rather it should be required that a sufficient oxygen concentration be maintained.

### 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

<b>Appearance</b> - Physical state: - Colour:	Powder Solid Yellow / blue
<b>Odour:</b>	No odour warning properties
<b>Odour threshold:</b>	Odour threshold is subjective and inadequate to warn for overexposure.
<b>pH:</b>	4.5
<b>Melting point (°C):</b>	no information available
<b>Boiling point (°C):</b>	no information available
<b>Molar mass:</b>	no information available
<b>Critical temperature (°C):</b>	no information available
<b>Flash point (°C):</b>	no information available
<b>Evaporation rate (ether=1):</b>	no information available
<b>Flammability range (vol% in air):</b>	Non flammable.
<b>Vapour pressure (at 20°C):</b>	no information available
<b>Vapour density:</b>	no information available
<b>Relative density, gas (air=1):</b>	no information available
<b>Relative density, liquid (water =1):</b>	no information available
<b>Solubility in water (mg/l):</b>	no information available
<b>Partition coefficient n-octanol/water:</b>	no information available
<b>Viscosity at 20°C (mPa.s):</b>	no information available
<b>Explosive properties:</b>	no information available
<b>Molecular weight:</b>	no information available
<b>Other information:</b>	Stability in temperature: -60°C~+60°C

## SECTION 10 - STABILITY AND REACTIVITY

### REACTIVITY

Reacts with incompatible materials.

### CHEMICAL STABILITY

No special measures are necessary. Stable under normal ambient storage and handling conditions.

### POSSIBILITY OF HAZARDOUS REACTIONS

None.

## SECTION 10 - STABILITY AND REACTIVITY (CONTINUED)

### CONDITIONS TO AVOID

Extremes of temperature and direct sunlight.

### INCOMPATIBLE MATERIALS

**Materials to avoid:**

Not determined.

### HAZARDOUS DECOMPOSITION PRODUCTS

Ammonia and/or phosphorous oxides can be evolved at very high temperatures.

## SECTION 11 - TOXICOLOGICAL INFORMATION

### INFORMATION ON TOXICOLOGICAL EFFECTS

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

## SECTION 11 - TOXICOLOGICAL INFORMATION (CONTINUED)

### INFORMATION ON POSSIBLE ROUTES OF EXPOSURE

<b>Ingestion (swallowing):</b>	Although not an expected route of entry, If ingested, may cause discomfort.
<b>Skin exposure:</b>	May be mildly irritating.
<b>Eye exposure</b>	May be mildly irritating for short periods of time.
<b>inhalation:</b>	Treat as a mineral dust. Irritant to the respiratory tract. Transient cough and shortness of breath may occur.
<b>Acute Overexposure</b>	See above
<b>Chronic Overexposure</b>	Chronic fibrosis of the lung, pneumoconiosis.

### EARLY ONSET SYMPTOMS RELATING TO EXPOSURE

No known effects from this product.

### DELAYED HEALTH EFFECTS FROM EXPOSURE

No known effects from this product.

### EXPOSURE LEVELS AND HEALTH EFFECTS

No known effects from this product.

### INTERACTIVE EFFECTS

No known effects from this product.

### MIXTURES OF CHEMICALS

No known effects from this product.

### OTHER INFORMATION

No information available

### INTERACTIVE EFFECTS

No information available

### OTHER INFORMATION

No information available

## SECTION 12 - ECOLOGICAL INFORMATION

### ECOTOXICITY

Not determined

### PERSISTENCE AND DEGRADABILITY

Not determined



## SECTION 12 - ECOLOGICAL INFORMATION (CONTINUED)

### BIOACCUMULATIVE POTENTIAL

Not determined

### MOBILITY IN SOIL

Not determined

### OTHER ADVERSE EFFECTS

Not determined

## SECTION 13 - DISPOSABLE CONSIDERATIONS

### DISPOSABLE METHODS

No harm to the environment is expected from this preparation.

Dispose of in compliance with local, state and Commonwealth regulations.

### PHYSICAL/CHEMICAL PROPERTIES THAT MAY AFFECT DISPOSAL OPTIONS

Not determined


### EFFECTS OF SEWAGE DISPOSAL

Not determined

### SPECIAL PRECAUTIONS FOR INCINERATION OR LANDFILL

None

## SECTION 14 - TRANSPORT INFORMATION

Labelling ADG, IMO/IMDG, ICAO/IATA	 2.2 Non flammable, non toxic gas
<b>Road and Rail Transport (ADG Code)</b>	
Classification:	Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road & Rail (Seventh edition, 7.4, 2015)
UN number	1044
Proper shipping name:	FIRE EXTINGUISHERS with compressed or liquefied gas
Transport hazard class/division:	2.2
Packing group:	N/A
HAZCHEM - Emergency Action Code	No Hazchem Code issued to these articles. No HIN issued under RID and ADR.
Special Provisions:	225

## SECTION 14 - TRANSPORT INFORMATION (CONTINUED)

<b>Limited Quantities:</b>	120mL
<b>Packing Instruction:</b>	P003
<b>Special Packing Provisions:</b>	PP91
<b>Placard load Incompatibilities:</b>	<p><b>Division 1 - Explosives</b></p> <p><b>Division 2.1 - Flammable Gases</b> when the Division 2,2 gas has a subsidiary risk 5.1 except when all are packed in cylinders or pressure drums not exceeding 500L capacity.</p> <p><b>Division 2.3 Toxic Gases</b> when the Division 2,2 gas has a subsidiary risk 5.1 except when all are packed in cylinders or pressure drums not exceeding 500L capacity.</p> <p><b>Division 4.2 - Spontaneously Combustible Substances</b></p> <p><b>Division 5.2 - Organic Peroxides</b></p>
<b>Marine transport (IMO/IMDG)</b>	
<b>Classification:</b>	Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.
<b>UN number:</b>	1044
<b>Proper shipping name:</b>	FIRE EXTINGUISHERS with compressed or liquefied gas
<b>Division:</b>	2.2
<b>Environmental hazards for Transport Purposes:</b>	Not a known pollutant according to the International Maritime Dangerous Goods (IMDG) Code. Substance is not classified as having an acute aquatic toxicity hazard.
<b>Emergency Schedule (EmS) - Fire:</b>	F-C
<b>Emergency Schedule (EmS) - Spillage:</b>	S-V
<b>Special provisions:</b>	225
<b>Air transport (ICAO/IATA)</b>	
<b>Classification:</b>	Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.
<b>UN number:</b>	1044
<b>Proper shipping name:</b>	FIRE EXTINGUISHERS with compressed or liquefied gas
<b>Division:</b>	2.2
<b>Packing instruction (Cargo Aircraft only):</b>	213
<b>Packing instruction (Passanger and Cargo Aircraft):</b>	Restricted.
<b>Special Provisions:</b>	A19

### SPECIAL PRECAUTIONS FOR USER

Not available.

## SECTION 15 - REGULATORY INFORMATION

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

Classified as Hazardous 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 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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**SDS sheets are available to download in the downloads section of our website.**

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

**END OF SDS.**