

## FIRECHIEF 0.6KG BC POWDER AEROSOL EXTINGUISHER

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

## 1.1 Product identifier

**Product name:** FIRECHIEF 0.6KG BC POWDER AEROSOL EXTINGUISHER  
**Product code:** 100-1673 (FDPA-B)

## 1.2 Product use: Fire Extinguisher

## 1.3 Details of the supplier of the safety data sheet

**Company name:** Firechief Global  
3 Lands End Way  
OAKHAM Rutland  
LE15 6RB  
**Emails address:** sales@firechiefglobal.com

## 1.4 Emergency telephone number

**Emergency tel:** +44 (0)330 999 0019 (office hours 08:00 - 17:00)

## Section 2. Composition/information on ingredients

## 2.1 Classification of Substance

This preparation does not fall under the category of danger according to the regulation 1272/2008 (CLP) nor subsequent modifications

## 2.2 Label Elements

Meet the requirements of BS 6165:2002

## 2.3 Other Hazards

The preparation is in the form of fine powder that easily forms suspensions in air in movement and may create aerosols. Prolonged exposure to any type of powder can be potentially harmful.

## Section 3. Hazards identification of contents

Components	Cas Number	EC Number	REACH Registration Number	% of Contents
Sodium Bicarbonate	144-55-8	205-633-8	01-2119457606-32	90%
Calcium Carbonate	1317-65-3	207-439-9	-	7.2%
Additives	-	-	-	2.8%

## Section 4. First aid measures (for contents)

## 4.1 Description of First Aid Measures

**Eye Contact** Rinse with copious amounts of water and seek medical attention if irritation persists  
**Inhalation** Movement of the exposed individual from the area of inhalation to fresh air is recommended  
**Ingestion** Consult a doctor and present the container or label of the product.

## 4.2 Most Important and effects both acute and delayed.

No acute and delayed symptoms and effects are observed

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

IF SWALLOWED you feel unwell: Call a POISON CENTER or doctor. If irritation or rash occurs: Get medical advice. If experiencing respiratory symptoms: Call a POISON CENTER or doctor



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### Section 5. Fire fighting measures

- 5.1 Extinguishing Media** This Product is not flammable or combustible. With thermal decomposition it produces CO<sub>2</sub>.
- 5.2 Special hazards arising from mixture** Use proper protective equipment with individual protection of the respiratory tract
- Important NOTE:** - Pressurized Container. Keep cool to limit possibility of explosion. Pressurized to 8-10 bars.

### Section 6. Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedure.** Avoid airborne dust generation, wear personal protective equipment in compliance with national legislation.
- 6.2 Environmental Precautions** Avoid unnecessary dispersal to the environment
- 6.3 Methods and material for containment and cleaning up.** Discard the waste to an approved facility

### Section 7. Handling and storage

- 7.1 Handling** Pressurised to 8-10 bars. Do not puncture or burn. Discard damaged cans safely. Contact manufacturer for instructions.
- 7.2 Storage** Store in a cool place. Avoid elevated temperatures. Do not expose to temperatures exceeding 60 degrees C. Do not puncture. Discard damaged cans safely.

### Section 8. Personal protection - contents

- |  |  |
|--|--|
| <b>8.1 Control Parameters.</b>         | SAEL. TWA: 10mg/m <sup>3</sup>   |
| <b>8.2 Exposure Controls.</b>          | Engineers measures. Adopt adequate ventilation at places where dust has formed                                   |
| <b>Respiratory Protection.</b>         | Use only respiratory protection that conforms to international/national standards. Dust mask with filter type P2 |
| <b>Hand Protection</b>                 | Wear gloves.   |
| <b>Eye Protection</b>                  | Safety glasses. In case of dust production: protective goggles.  |
| <b>Skin and body protection</b>        | Wear suitable protective clothing.   |
| <b>Hygiene measures</b>                | When using do not eat or drink. Wash hands before breaks and at the end of workday.                              |
| <b>Protective measures</b>             | Do not breathe dust. When working with hot material, avoid contact with skin.                                    |
| <b>Environmental exposure controls</b> | Dispose the wash water according to local and national regulations.  |

### Section 9. Physical and chemical properties

- 9.1 Information on basic physical and chemical properties**
- |                           |  |
|---------------------------|--|
| <b>Physical form:</b>     | fine powder.   |
| <b>Odor:</b>              | odorless.  |
| <b>Colour:</b>            | white.   |
| <b>pH:</b>                | about 8,5 (dispersion at 5%).                                  |
| <b>Melting point:</b>     | > 50 °C  |
| <b>Boiling point:</b>     | N. A.  |
| <b>Bulk density:</b>      | about 1,063 ± 0,07 g/cm <sup>3</sup>                           |
| <b>Solubility (20°C):</b> | N.A. (NaHCO <sub>3</sub> 93 g/l, CaCO <sub>3</sub> 0.014 g/l). |



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### Other Information

Pressurised Container: 8-10 bars

## Section 10. Stability and reactivity

<b>10.1 Reactivity</b>	Stable under normal conditions
<b>10.2 Chemical Stability</b>	Stable
<b>10.3 Possibility of Hazardous reactions</b>	When it reaches temperatures above 190°C it decomposes dispersing ammonia. Contamination with incompatible materials.
<b>10.4 Conditions to Avoid.</b>	Storage Temperatures above 60 deg C. Risk of explosion. Permanent deformation.
<b>10.5 Incompatible Materials.</b>	Acids. The powder develops CO2
<b>10.6 Hazardous Decomposition Products</b>	Thermal decomposition produces CO2

## Section 11. Toxicological information

Acute oral toxicity	LD50: > 4.000 mg/kg (Rat).
Acute inhalation toxicity LC50:	Not available
Acute dermal toxicity	(Rabbit) No skin irritation.
Skin corrosion/irritation	(Rabbit) No skin irritation.
Serious eye damage/eye irritation	Not available
Respiratory or skin sensitization	0 Mutagenicity
Germ cell mutagenicity	Not available
Genotoxicity in vitro.	Not mutagenic in Ames Test.
Genotoxicity in vivo Assessment	(Rat) Did not show carcinogenic or mutagenic effects in animal experiments.
Carcinogenicity	Oral (Rabbit): 330 mg/kg.
Reproductive toxicity Teratogenicity	Did not show mutagenic or teratogenic effects in animal experiments.
STOT - repeated exposure	Not available
Further information	Health injuries are not known or expected under normal use

## Section 12. Ecological information

<b>12.1 Toxicity to fish</b>	LC50: 7100 mg/l, 96 - h, Lepomis macrochirus. NOEC: 5200 mg/l, 96 - h, Lepomis macrochirus. LC50: 4100 mg/l, 48 - h. NOEC: 3100 mg/l, 48 - h. NOEC: > 576 mg/l, 21 days
<b>Toxicity to daphnia magna and other aquatic invertebrates.</b>	
<b>12.2 Persistence and degradability</b>	The methods for determining biodegradability are not applicable to inorganic substances.
<b>12.3 Bio accumulative potential</b>	Bioaccumulation is unlikely.
<b>12.4 Mobility in soil</b>	Mobility Not applicable
<b>Distribution among environmental compartments</b>	Not applicable
<b>Physico-chemical removability</b>	Not applicable
<b>Distribution among environmental compartments</b>	Not applicable
<b>Physico-chemical removability</b>	Not applicable
<b>12.5 Results of PBT and vPvB assessment</b>	This substance is not considered to be persistent, bioaccumulating nor toxic (PBT). This substance is not considered to be very persistent nor very bioaccumulating (vPvB).
<b>12.6 Other adverse effects Adsorbed organic bound halogens (AOX)</b>	Not applicable.

## Section 13. Disposal considerations

<b>13.1 Waste treatment methods</b>	Recycling and disposal of packaging should be carried out by an authorised waste
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management company. EURAL

### Section 14. Transport information

14.1 UN Number	1044
14.2 UN Proper Shipping Name	Extinguishers with compressed or liquified gas
14.3 Transport Hazard Classes	Class 2
14.4 Packing Group	Group 2
14.5 Environmental Hazards	None
14.6 Special Precautions for User	Pressurized container
14.7 International Transport Information	A pressurised Fire Extinguisher should not be sent by air. Exempt from ADR Road Transport SP594 No Immediate Hazard to Health or Fire Risk No Special Precautions in Event of an accident No Special First Aid measures Use any available means to control Fire

### Section 15. Regulatory information

- 15.1 Safety, Health and Environmental Regulation Specific for the substance No Annex XVII Restrictions  
15.2 Chemical Safety Assessment Exempt from REACH Registration

### Section 16. Other information

- 16.1 The information on the contents of this product MSDS is based on the information reported in the SDS of the raw materials that compose the mixture and are supplied in the SDS provided by the manufacturer of the contents. The information relates only to this specific product and may not apply to the same when used in combination with other materials or in any other way. The Company does not assume any liability for damages to people or property in case of an improper use of the product.

