www.ultra-fire.co.uk
support@ultra-fire.co.uk

ALPHA600/BETA950
BC POWDER

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFIER	FX600DP / ALPHA600 / 600g & FX900DP / BETA950 / 950g - BC AERO-SOL FIRE EXTINGUISHER
PRODUCT USE	Fire Extinguisher
MANUFACTURER'S NAME	FX Fire & Safety Solutions Ltd.
STREET ADDRESS	Unit 3, Belvedere Business Park Crabtree Manorway South Belvedere, DA17 6AH
TELEPHONE	+44 (0) 208 310 3950
Date MSDS Prepared	October 2020
MSDS PREPARED BY/TELEPHONE	Nicholas Brett +44 (0) 208 310 3950

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

2.1 Label Elements:
Meet the requirements of BS 6165

2.1 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.

3. HAZARDS IDENTIFICATION OF CONTENTS

CHEMICAL NAME:	**CAS NO:**	**CONTENT %**
Sodium Bicarbonate	144-55-8	97% + 3%
EC:	**Index:**	**Reach:**
205-633-8	Non-applicable	01-2119457606-32

4. FIRST AID MEASURES

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. FIRST AID MEASURES (Cont)	
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
5. FIRE FIGHTING MEASURES	
5.1 Extinguishing Media	This Product is not flammable or combustible. With thermal decomposition it produces CO2.
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.
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
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.
8. PERSONAL PROTECTION - Contents	
8.1 Control Parameters.	SAEL. TWA: 10mg/m3

8. PERSONAL PROTECTION - Contents (continued)	
8.2 Exposure Controls.	Engineers measures. Adopt adequate ventilation at places where dust has formed **Respiratory Protection**. Use only respiratory protection that conforms to international/national standards. Dust mask with filter type P2 **Hand Protection** Wear gloves. **Eye Protection** Safety glasses. In case of dust production: protective gogles. **Skin and body protection** Wear suitable protective clothing. **Hygiene measures** When using do not eat or drink. Wash hands before breaks and at the end of workday. **Protective measures** Do not breathe dust. When working with hot material, avoid contact with skin. **Environmental exposure controls** Dispose the wash water according to local and national regulations.
9. PHYSICAL AND CHEMICAL PROPERTIES	
9.1 Information on basic physical and chemical properties.	Physical form: fine powder. Odor: odorless. Colour: white. pH: about 8,5 (dispersion at 5%). Melting point: > 50 °C Boiling point: N. A. Bulk density: about 1,063 ± 0,07 g/cm³ Solubility (20°C): N.A. ($NaHCO_3$ 93 g/l, $CaCO_3$ 0.014 g/l).
9.2 Other Information	Pressurised Container. 8-10 bars
10. STABILITY AND REACTIVITY	
10.1 Reactivity	Stable under normal conditions
10.2 Chemical Stability	Stable
10.3 Possibility of Hazardous reactions	When it reaches temperatures above 190°C it decomposes dispersing ammonia. Contamination with incompatible materials.
10.4 Conditions to Avoid.	Storage Temperatures above 60 deg C. Risk of explosion. Permanent deformation.
10.5 Incompatible Materials.	Acids. The powder develops CO_2
10.6 Hazardous Decomposition Products	Thermal decomposition produces CO_2

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity LD50: > 4.000 mg/kg	LD50> 4.000 mg/kg (Rat).
(Rat).	LC50: > 4,74 mg/l (Rat).
Acute inhalation toxicity LC50:	Not available.
Acute dermal toxicity	(Rabbit) No skin irritation.
Skin corrosion/irritation	(Rabbit) No eye 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	(Rat) Did not show carcinogenic or mutagenic effects in animal
Assessment	experiments.
Carcinogenicity	Oral (Rabbit): 330 mg/kg.
Reproductive toxicity	Did not show mutagenic or teratogenic effects in animal
Teratogenicity	experiments.
STOT - repeated exposure	Not available.
Further information	Health injuries are not known or expected under normal use

12. ECOLOGICAL INFORMATION

12.1 Toxicity to fish	LC50: 7100 mg/l, 96 - h, Lepomis macrochirus. NOEC: 5200 mg/l, 96 - h, Lepomis macrochirus.
Toxicity to daphnia magna and other aquatic invertebrates	LC50: 4100 mg/l, 48 - h. NOEC: 3100 mg/l, 48 - h. NOEC: > 576 mg/l, 21 days.
12.2 Persistence and degradability	The methods for determining biodegradability are not applicable to inorganic substances.
12.3 Bio accumulative potential	Bioaccumulation is unlikely.
12.4 Mobility in soil	Mobility Not applicable.
Distribution among environmental compartments **Physico-chemical removability** **Distribution among environmental compartments** **Physico-chemical removability**	Not applicable.
12.5 Results of PBT and vPvB assessment	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).
12.6 Other adverse effects Adsorbed organic bound halogens (AOX)	Not applicable.

13. PRODUCT DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION	
14.1 UN Number	1950
14.2 UN Proper Shipping Name	Extinguishers with compressed or liquified gas
14.3 Transport Hazard Classes	Class 2.2
14.4 Packing Group	Group 2
14.5 Environmental Hazards	None
14.6 Special Precautions for User	No Special Requirement other than pressurized container.
14.7 Transport in Bulk	Not applicable
15. REGULATORY INFORMATION	
15.1 Safety, Health and Environmental	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.