

FX FIRE 
+ SAFETY

MATERIAL SAFETY DATA SHEET — 16 Sections

SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION

Product Identifier FX600DP / ALPHA600 / 600g & FX900DP / BETA950 / 950g - BC AEROSOL FIRE EXTINGUISHER			
Product Use Fire Extinguisher			
Manufacturer's Name FX Fire & Safety Solutions Ltd.			
Street Address Unit 3 Belvedere Business Park, Crabtree Manorway South			
City Belvedere		County London	
Postal Code DA17 6AH		Telephone +44 (0) 208 310 3950	
Date MSDS Prepared October 2020		MSDS Prepared By Nicholas Brett	Phone Number +44 (0) 208 310 3950

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
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	97% + 3%

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

SECTION 5 — FIRE FIGHTING MEASURES

5.1	Extinguishing Media	This Product is not flammable or combustible. With thermal decomposition it produces CO ₂ .
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

8.1	8.1 Control Parameters.	SAEL. TWA: 10mg/m ³
8.2	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 goggles.
	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.

SECTION 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/cm ³ 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

SECTION 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

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute oral toxicity LD50: > 4.000 mg/kg (Rat). Acute inhalation toxicity LC50: Acute dermal toxicity Skin corrosion/irritation Serious eye damage/eye irritation Respiratory or skin sensitization Germ cell mutagenicity Genotoxicity in vitro. Genotoxicity in vivo Assessment Carcinogenicity Reproductive toxicity Teratogenicity STOT - repeated exposure Further information	LD50> 4.000 mg/kg (Rat). LC50: > 4,74 mg/l (Rat). Not available. (Rabbit) No skin irritation. (Rabbit) No eye irritation. Not available. 0 Mutagenicity Not available. Not mutagenic in Ames Test. (Rat) Did not show carcinogenic or mutagenic effects in animal experiments. Oral (Rabbit): 330 mg/kg. Did not show mutagenic or teratogenic effects in animal experiments. Not available. Health injuries are not known or expected under normal use
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SECTION 12 — ECOLOGICAL INFORMATION

12.1 Toxicity to fish	LC50: 7100 mg/l, 96 - h, <i>Lepomis macrochirus</i> . NOEC: 5200 mg/l, 96 - h, <i>Lepomis macrochirus</i> .
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	Not applicable.
Physico-chemical removability	Not applicable
Distribution among environmental compartments	Not applicable.
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.

SECTION 13 — PRODUCT DISPOSAL CONSIDERATIONS

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

SECTION 15 — REGULATORY INFORMATION

15.1	15.1 Safety, Health and Environmental Regulation Specific for the substance	No Annex XVII Restrictions
15.2	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.
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