

SECTION 1:

**MANUFACTURER:**

**PRODUCT IDENTIFICATION**

Strike First Corporation  
 777 Tapscott Road  
 Scarborough, Ontario  
 M1X 1A2  
 Phone: 1-416-299-7767

BC Dry Chemical  
 Sodium Bicarbonate, SDC  
 Fire Extinguisher

**EMERGENCY PHONE:**  
**Canutec: 1-613-996-6666**

SECTION: 2

**HAZARDOUS INGREDIENTS**

CHEMICAL NAME	CAS #	%	*ACGIH mg/m <sup>3</sup>		*OSHA mg/m <sup>3</sup>			OTHER
			W/W	TLV	STEL	PEL	STEL	
Sodium Bicarbonate	144-55-8	>92*						
Hydrated Alumina Silicate	1318-94-1	<3	NE	NE	NE	NE	NE	NE
Attaclay	8031-18-3	<5	NE	NE	NE	NE	NE	NE
Silicone Oil	63148-58-3	<1	NE	NE	NE	NE	NE	NE

\*ACGIH TLV for particulars, not otherwise classified = 10; OSHA PEL for particulates not otherwise regulated, Total dust =15 Respirable fraction 5.  
 NE = Not established

SECTION :3

**PHYSICAL DATA**

BOILING POINT	Not applicable
VAPOR PRESSURE	Not applicable
VAPOR DENSITY	Not applicable
SOLUBILITY IN WATER	Not soluble. Water repellent coating.
SPECIFIC GRAVITY	Approximately 0.9
PERCENT VOLATILE BY VOLUME	Not applicable
EVAPORATION RATE	Not applicable
pH: (10% solution)	Approximately 8.3-9
APPEARANCE & COLOR	This material is a finely divided, white powder.

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SECTION: 4

**FIRE AND EXPLOSION DATA**

FLASH POINT	Not applicable
FLAMMABLE LIMITS	Lower (LEL) Not applicable Upper (LEL) Not applicable
EXTINGUISHING MEDIA	None This product is a fire extinguishing agent.
SPECIAL FIREFIGHTING PROCEDURES	Incipient fire responders should wear eye protection. Structural fire fighters must wear Self-Contained Breathing Apparatus and full protective equipment.

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SECTION: 5

**HEALTH HAZARD DATA**

THRESHOLD LIMIT VALUE	*ACGIH TLV for particulars, Not otherwise classified = 10
OSHA PEL	For particulates not otherwise regulated; Total Dust =15, Respirable Fraction = 5.

**EFFECTS OF OVEREXPOSURE**

Acute	This extinguishing material presents only a slight risk of causing acute health effects. If such effects occur, they will be in the form of mild irritation of the skin, nose, or throat and moderate irritation of the eyes. If ingested, this product may cause an upset stomach.
Chronic	This product is not known to cause chronic illnesses or diseases.

**EMERGENCY FIRST-AID PROCEDURES**

SKIN EXPOSURE	If spilled on skin, <b>immediately</b> begin decontamination with running water. Remove exposed or contaminated clothing, taking care not to contaminate eyes. If reddening or irritation occurs, victim and rescuers must seek immediate medical attention.
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EYE EXPOSURE	If chemical irritates eyes, open victim's eyes while under gentle running water. Use sufficient force to open eyelids. Have victim "roll" eyes. Minimum flushing is for 15 minutes.
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SECTION: 5 cont'd.

**EMERGENCY FIRST-AID PROCEDURES cont'd.**

INHALATION

If chemical is inhaled, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. If reddening or irritation occurs, victim and rescuers must seek immediate medical attention.

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SECTION: 6

**REACTIVITY DATA**

STABILITY

Stable

INCOMPATIBILITY

Strong acids.

HAZARDOUS

Carbon monoxide and carbon dioxide

DECOMPOSITION PRODUCT

HAZARDOUS

Will not occur

POLYMERIZATION

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SECTION: 7

**SPILL OR LEAK PROCEDURES**

SMALL SPILLS

Sweep up the spilled solid and place all spill residue in a double plastic bag and seal.

LARGE SPILLS

If it is determined that exposure guidelines for nuisance particulates - 10 mg/m<sup>3</sup> (total particulates) or 5 mg/m<sup>3</sup> (respirable particulates) is exceeded use Level C: triple gloves (rubber gloves with nitrile gloves, over latex gloves), chemically resistant suit and boots, hard hat, and air purifying respirator with a HEPA filter.

Sweep or vacuum.

**Dispose of in accordance with Federal, Provincial and local hazardous waste disposal regulations.**

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SECTION: 8

**SPECIAL PROTECTION INFORMATION**

RESPIRATORY PROTECTION	Respiratory protection is not expected to be needed. Maintain airborne contaminant concentrations below guidelines for nuisance particulates: (see Section 5)
VENTILATION	Use with adequate ventilation. Use a mechanical fan or vent area to outside.
PROTECTIVE GLOVES	Wear rubber gloves for routine industrial use.
EYE PROTECTION	Safety glasses.
OTHER PROTECTIVE EQUIPMENT:	Use body protection appropriate for task.

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SECTION: 9

**SPECIAL PRECAUTIONS**

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

All employees who handle this material should be trained to handle it safely. Avoid breathing dusts generated by this product.

Avoid getting chemicals ON YOU or IN YOU.

OTHER PRECAUTIONS: None

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*Fire extinguishers* are designed and produced for the specific purpose of providing a safe and efficient safety tool to be used only in the fighting of fires. Improper or careless use may cause severe bodily injury and/or property damage.

Contents are under pressure which is necessary to deliver the contained extinguishing agent to the fire source.

- Contents under pressure. Do not puncture, incinerate or discharge into another person's face.
- Do not store at high temperatures above 120 degrees Fahrenheit or 49 degrees Celcius.
- Keep away from children.
- Avoid inhaling the extinguishing agent. Avoid inhaling smoke and fumes - all fires release toxic substances that are harmful. DO NOT remain in a closed area after use: evacuate the area immediately and ventilate thoroughly before re-entering.
- Although extinguishing agents are non toxic when used properly, contact with them may cause irritation to eyes, nose, throat and other allergic symptoms.