

# STRIKE FIRST CORPORATION

777 Tapscott Road  
Scarborough, Ontario  
M1X 1A2

## MATERIAL SAFETY DATA SHEET

Prepared to US OSHA, CMA, ANSI and Canadian WHMIS Standards

### Section 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**TRADE NAME (AS LABELED):** WET CHEMICAL SOLUTION (SF-6LK)  
**PRODUCT USE:** Fire Extinguishing Agent  
**MANUFACTURER'S NAME:** STRIKE FIRST CORPORATION  
**ADDRESS:** 777 Tapscott Road  
Scarborough, ON  
M1X 1A2  
**BUSINESS PHONE:** 416.299.7767  
**DATE OF REVISION:** Feb. 6, 2015

### Section 2. HAZARDS IDENTIFICATION

**Emergency overview:** Corrosive. Causes skin and eye irritation  
**Potential acute health effects**  
**Routes of entry:** Skin contact. Eye contact. Inhalation. Ingestion.  
**Eyes:** Do not get this material in contact with eyes. Corrosive to the eyes and may cause severe damage including severe irritation  
**Skin:** May cause mild skin irritation. Prolonged contact may cause dryness of the skin.  
**Inhalation:** May irritate respiratory tract. May cause transient cough or shortness of breath  
**Ingestion:** Harmful if swallowed. Do not ingest.  
**Potential chronic health effect:** Carcinogenic effects: Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.  
Mutagenic effects: Not available.  
Teratogenic effects: Not available.  
Reproductive effects: Not available

### Section 3. COMPOSITION, INFORMATION ON INGREDIENTS

#### Components:

<b>Potassium Citrate:</b>	<b>Concentration</b> 1 – 10 %	<b>CAS NUMBER</b> 6100-05-6
<b>Potassium Acetate:</b>	<b>Concentration</b> 20 – 30 %	<b>CAS NUMBER</b> 127-08-2
<b>Water:</b>	<b>Concentration</b> 50 - 60 %	<b>CAS NUMBER</b> 7732-18-5

**Section 4. FIRST AID MEASURES**

**Prompt medical attention is mandatory in all cases of overexposure to this solution.**

- Eye contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists after washing.
- Skin Contact:** Wash off with warm water and soap. Get medical attention if irritation develops and persists.
- Inhalation:** Move to fresh air. For breathing difficulties, oxygen may be necessary. Get medical attention, if needed.
- Ingestion:** Rinse mouth. Do not induce vomiting without advice from poison control center. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
- Notes to physician:** Treat symptomatically. Symptoms may be delayed.

**Section 5. FIRE FIGHTING MEASURES**

- Flammability of the product:** Non-flammable.
- Extinguishing media:**  
**Suitable extinguishing media:** Use an extinguishing agent suitable for the surrounding fire. This preparation is used as an extinguishing agent and therefore is not a problem when trying to control a blaze. Use extinguishing agent appropriate to other materials involved. Keep pressurized extinguishers and surroundings cool with water spray as they may rupture or burst in the heat of a fire.
- Special protective equipment for fire-fighters:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with full face-piece operated in positive pressure mode.

**Section 6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions:** EVACUATE ALL PERSONNEL FROM AFFECTED AREA  
Local authorities should be advised if significant spillages cannot be contained. Surfaces may become slippery after spillage. Keep upwind.
- Environmental precautions:** Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.
- Methods for cleaning up:** Should not be released into the environment.  
**Large Spills:** Dike far ahead of spill for later disposal. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.  
**Small Spills:** Wipe up with absorbent material (e.g. cloth, fleece).
- Never return spills in original containers for re-use. Following product recovery, flush area with water. Clean surface thoroughly to remove residual contamination.

**Section 7. HANDLING AND STORAGE**

Pressurized extinguishers should be properly stored and secured to prevent falling or being knocked over. Do not drag, slide or roll extinguishers. Do not drop extinguishers or permit them to strike against each other. Never apply flame or localized heat directly to any part of the extinguisher or plastic container. Store pressurized extinguishers and plastic containers away from high heat sources. Storage area should be: - cool - dry - well ventilated - under cover - out of direct sunlight.

**Handling:** Do not get this material in contact with eyes. Avoid contact with skin. Avoid prolonged exposure. Handle and open container with care.

**Storage:** Store in cool place. Store in a well-ventilated place. Keep container tightly closed. Keep out of the reach of children. Use care in handling/storage.

## Section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering controls:** Use only in well-ventilated areas.

### Personal protection

**Respiratory:** Use supplied air respiratory protection if required. If respiratory protection is required, follow the requirements of the Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), or equivalent State standard.

**Hands:** Wear glove protection appropriate to the specific operation for which this gas is used.

**Eyes:** Safety glasses with side shields.

**Skin/Body:** Use body protection appropriate for task. Pressurized product may require use of fire retardant clothing. Metal cap safety shoes, are recommended when handling cylinders.



Some applications of this product may require additional or other specific protective clothing. Please consult your supervisor.

**Personal protection:** Safety glasses with side shields, goggles or face shield. Impervious gloves. Protective clothing. Metal cap safety shoes.

## Section 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Liquid.  
**Color:** Colorless.  
**Odor:** Mild Odor.  
**Boiling/condensation point:** 110C (230F).  
**Melting/freezing point:** Not available  
**pH:** 8 - 9.  
**Specific gravity:** 1.1 – 1.2  
**Vapor density:** Not available (Air = 1).  
**Solubility (@20C):** Soluble in the following materials: water.

## Section 10. STABILITY AND REACTIVITY

**Stability and reactivity:** This product is stable.  
**Incompatibility:** Strong oxidizing agents.  
**Hazardous decomposition products:** Not known.  
**Hazardous polymerization:** Carbon oxides, potassium oxides

<b>Section 11. TOXICOLOGICAL INFORMATION</b>
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**Acute Effects**

<b>Inhalation:</b>	None expected.
<b>Skin:</b>	Prolonged contact may cause dryness to skin.
<b>Eyes:</b>	May cause temporary eye irritation.
<b>Ingestion:</b>	No harmful effects expected in amounts likely to be ingested by accident.
<b>Potential chronic health effects:</b>	Carcinogenic effects: Not classified or listed by IARC, NTP, OSHA, EU, ACGIH. Mutagenic effects: Not available Teratogenic effects: Not available

<b>Section 12. ECOLOGICAL INFORMATION</b>
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<b>Mobility:</b>	No relevant studies identified
<b>Persistence/Degradability:</b>	No relevant studies identified
<b>Bio-accumulation:</b>	No relevant studies identified
<b>Ecotoxicity:</b>	No relevant studies identified

<b>Section 13. DISPOSAL CONSIDERATION</b>
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<b>Disposal:</b>	This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.
<b>Waste from residues:</b>	Dispose of in accordance with local regulations.

<b>Section 14. TRANSPORTATION INFORMATION</b>
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<b>DOT/TC:</b>	Not regulated
<b>UN Proper Shipping Name:</b>	Not regulated
<b>UN Class:</b>	None
<b>UN Number:</b>	None
<b>UN Packaging Group:</b>	None

When shipped in a stored pressure type fire extinguisher, and with a non-flammable, non-toxic inert expellant gas, the fire extinguisher is considered a hazardous material by the US Department of Transportation and Transport Canada. The proper shipping name shall be FIRE EXTINGUISHER and the UN designation is UN 1044. The DOT hazard class / division is 2.2. Non-flammable Gas. Packing Group – N/A.

<b>Section 15. REGULATORY INFORMATION</b>
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**US REGULATIONS (Federal, State) and INTERNATIONAL CHEMICAL REGISTRATION LAWS**

<b>TSCA Listing:</b>	This product contains ingredients that are listed on or exempt from listing on the EPA Toxic Substance Control Act Chemical Substance Inventory.
<b>EINECS Listing:</b>	All ingredients in this product are listed on the European Inventory of Existing Commercial Chemical Substances (EINECS) or are exempt from listing.
<b>DSL/NDSL (Canadian) Listing:</b>	All ingredients in this product are listed on the Domestic Substance List (DSL) or the Non-Domestic Substance List (NDSL) or are exempt from listing.
<b>WHMIS Classification:</b>	D2B This product was classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations and the MSDS contains all the information required by these regulations.

**MA Right To Know Law:** All components have been checked for inclusion on the Massachusetts Substance List (MSL). Those components present at or above the de minimus concentration include: none

**PA Right To Know Law:** This product contains the following chemicals found on the Pennsylvania Hazardous Substance List: -none

**NJ Right To Know Law:** This product contains the following chemicals found on the NJ Right To Know Hazardous Substance List: - none

**California Proposition 65:** This product does not contain materials which the State of California has found to cause cancer, birth defects or other reproductive harm.

**SARA Title III Sect. 302 (EHS):** This product does not contain any chemicals subject to SARA Title III Section 302.

**SARA Title III Sect. 304:** This product does not contain any chemicals subject to SARA Title III Section 304.

**SARA Title III Sect. 311/312 Categorization:** - Immediate (Acute) Health Hazard

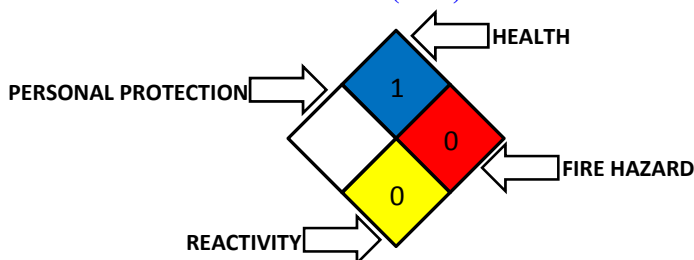
**SARA Title III Sect. 313:** This product does not contain any chemicals that are listed in Section 313 at or above de minimis concentrations.

**Section 16. OTHER INFORMATION**

**WHMIS (Canada):  
Information System (USA)**

HEALTH (BLUE)	1
FIRE HAZARD (RED)	0
REACTIVITY (YELLOW)	0
PERSONAL PROTECTION (WHITE)	G

**National Fire Protection Association (USA)**



Consult an Industrial Hygienist or other trained person when you make your safety evaluation of the end product. Remember, gases and liquids have properties which can cause serious injury or death.

- Acronyms:**
- ACGIH:** American Conference of Governmental Industrial Hygiene.
  - IARC:** International Agency for Research on Cancer.
  - NIOSH:** National Institute of Occupational Safety and Health.
  - OSHA:** Occupational Safety and Health Administration
  - NTP:** National Toxicology program.
  - SARA:** Superfund Amendments and Reauthorization Act.
  - PEL:** Permissible Exposure Limit.
  - IDLH:** Immediately Dangerous to Life and Health.
  - NE:** Not established.
  - C:** Ceiling Limit.
  - DSL:** Domestic Substance List.
  - NDSL:** Non-Domestic Substance List.
  - CFR:** Code of Federal Regulations.
  - TSCA:** Toxic Substance Control Act.

**Notice to reader**

This Material Safety Data Sheet is offered pursuant to OSHA’s Hazard Communication Standard, 29 CFR, 1910.1200, American National Standard Institute Z400.1, 2004, the Canadian Workplace Hazardous Material Information Systems (WHMIS). Other government regulations must be reviewed for applicability to this mixture. To the best of Strike First’s knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either express or implied, are provided. The information contained herein relates only to this specific product. If this mixture is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.