SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Identifier

Product Name SF-ABC90 DRY CHEMICAL POWDER

Other means of identification

Synonyms Multi-purpose Dry Chemical

Recommended use of the chemical and restrictions on use

Recommended Use Fire Suppression

Uses advised against Not for human or animal drug use

Details of the Supplier of the Safety Data Sheet

Extinguisher Manufacturer STRIKE FIRST CORPORATION
777 Tapscott Rd. Toronto Ontario
M1X 1A2

Contact Information

Phone: (416) 299-7767
Fax: (416) 299-8039
Email: info@strike-first.com

Chemical Supplier Name SUZHOU WUYUE SYNTHETIC FIRE SCI-TECH CO., LTD.
EQUIPMENT LTD.

Supplier Address No. 10 KANGJIAN ROAD, MUDU TOWN, SUZHOU CITY
JIANGSU, P. R. CHINA

Supplier Contact Numbers

Phone: +86-512-66360365 / 66662314
Fax: +86-512-66262360
Email: sales@wuyuefire.com

Emergency Telephone Number CHEMTREC 1-800-424-9300 or
(703) 527-3887

2. HAZARDS IDENTIFICATION

This SDS covers the products as sold in pressurized and non-pressurized containers. GHS classifications for both are listed below.

Classification
This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

**GHS Label elements, including precautionary statements**

<table>
<thead>
<tr>
<th>Hazard Symbol</th>
<th>Signal Word</th>
<th>Hazard Statement</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Warning</td>
<td>Contents under pressure, may explode if heated</td>
</tr>
<tr>
<td></td>
<td>Warning</td>
<td>May cause skin, eye or respiratory irritation</td>
</tr>
</tbody>
</table>

**Emergency Overview**

The product contains no substances which at their concentration, are considered to be hazardous to health.

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Physical State</th>
<th>Odor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Yellow</td>
<td>Powder(s) Solid</td>
<td>Odorless</td>
</tr>
</tbody>
</table>

**Precautionary Statements**

- **Prevention**
  None

- **Response**
  None

- **Storage**
  None

- **Disposal**
  None

**Hazards not otherwise classified (HNOC)**

Not applicable

**Unknown Toxicity**

None

**Other information**

Maybe harmful if swallowed
May cause slight eye irritation

**Interactions with Other Chemicals**

No information available.

3. **COMPOSITION/INFORMATION ON INGREDIENTS**
Synonyms
MULTI-PURPOSE DRY CHEMICAL

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight - %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mono Ammonium Phosphate</td>
<td>7722-76-1</td>
<td>90.0 +/- 2.0</td>
</tr>
<tr>
<td>Mica</td>
<td>12001-26-2</td>
<td>&lt;5.0</td>
</tr>
<tr>
<td>Methyl H Polysiloxane</td>
<td>63148-57-2</td>
<td>&lt;1.0</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

First aid measures

Eye contact
Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.

Skin contact
Wash with soap and water.

Inhalation
Remove to fresh air. If symptoms persist, call a physician.

Ingestion
Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

Most Important Symptoms and Effects
No information available.

Indication of any immediate medical attention and special treatment if needed

Notes to Physician
Treat symptomatically

5. FIRE FIGHTING MEASURES

Flammable Properties
Not Available

Extinguishing Media

Suitable extinguishing media
Water spray, dry chemical powder, carbon dioxide or appropriate foam.

Unsuitable extinguishing media
Not available

Firefighting equipment/instructions
In case of fire and/or explosion, avoid inhaling fumes. Use protective respirator with independent air supply. According to the size of fire, use full protection if necessary. Dispose used water according to local regulations.

Hazardous Combustible Products
Emits toxic fumes under fire conditions.

Protective equipment and precautions for firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHS/NIOSH (approved or equivalent) and full protective gear.
6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions
Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Avoid contact with skin and eyes. For personal protection, see Section 8.

Environmental precautions
Avoid disposing into drainage/sewer system or directly into the aquatic environment.

Methods and material for containment and cleaning up

Methods for containment
Prevent further leakage or spillage if safe to do so.

Methods for cleaning up
Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal. Avoid generating dusty conditions.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling
Ensure good ventilation/exhaustion at the work place. Wash thoroughly After handling.

Conditions for safe storage, including any incompatibilities

Storage
Store in a cool dry place. Store in a cool, dry, well ventilated area away from incompatible substances. Keep away from alkaline materials. Keep containers tightly closed.

Incompatible Products
Alkaline materials, strong oxidizing agents. Strong acids. Chlorinated compounds.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Exposure Guidelines

<table>
<thead>
<tr>
<th>Components</th>
<th>US. OSHA PEL TABLE Z-3 (29 CFR 1910.1000)</th>
<th>US. ACGIH TLV</th>
<th>US. NIOSH IDLH: Pocket Guide to Chemical Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mica 12001-26-2</td>
<td>TWA: 20 mppcf</td>
<td>TWA: 3 mg/m³ Respirable fraction</td>
<td>TWA: 3 mg/m³ Respirable</td>
</tr>
</tbody>
</table>

ACGIH TLV: American Conference of Government Industrial Hygienist – Threshold Limit Value
OSHA PEL: Occupational Safety and Health Administration – Permissible Exposure Limits
NIOSH IDLH Immediately Dangerous to Life or Health
**Biological Limit Values**
No biological exposure limits noted for the ingredient(s).

**Appropriate engineering controls**
Use in a well-ventilated area.

**Engineering measures**
Showers
Eyewash stations
Ventilation systems

**Individual protection measures, such as personal protective equipment**

**Eye/face protection**
Chemical safety goggles.

**Skin and body protection**
Wear appropriate protective clothing and gloves to prevent skin exposure.

**Respiratory protection**
Government approved respirator.

**Hygiene measures**
Wash hand, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical and Chemical Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Solid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>Powder</td>
<td>Odor</td>
<td>Odorless</td>
</tr>
<tr>
<td>Color</td>
<td>Yellow</td>
<td>Odor Threshold</td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Property</strong></td>
<td><strong>Values</strong></td>
<td><strong>Remarks</strong></td>
<td><strong>Method</strong></td>
</tr>
<tr>
<td><strong>Ph</strong></td>
<td>4.0 – 4.5 (1% solution)</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Melting / Freezing point</td>
<td>&gt;100 °C</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Boiling point /boiling range</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Flammability limit in air</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper flammability limit</td>
<td>Not flammable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lower flammability limit</td>
<td>Not Flammable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Relative density</td>
<td>~1.9 (@25 °C)</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Specific gravity</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Water solubility</td>
<td>&gt;90% after several hours (20 °C)</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Kinematic viscosity</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Dynamic viscosity</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
</tbody>
</table>
Other information

Softening point: No data available
VOC content (%): No data available
Particle size: No data available
Particle size distribution: No data available

10. STABILITY AND REACTIVITY

Reactivity: No data available.

Chemical stability: Material is stable under normal conditions.

Possibility of Hazardous Reactions: No dangerous reactions known.

Hazardous Polymerization: Hazardous polymerization does not occur.

Conditions to avoid: Incompatible materials. Humidity

Incompatible materials: Strongly caustic material.

Hazardous Decomposition Products: Ammonia (>100 °C), In case of use of the material on fire, release toxic gas: NH3.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Inhalation: May cause irritation of respiratory tract.

Eye contact: Contact with eyes may cause irritation.

Skin contact: May cause irritation.

Ingestion: Specific test data for the substance or mixture is not available

Toxicokinetics, metabolism and distribution:

Non-human toxicological information: Not available

Information on toxicological effects:

Acute toxicity:

Mono ammonium phosphate (CAS# 7722-76-1):

LD50 (Oral, Rat): > 2,000 mg/kg bw

LD50 (Dermal, Rat): > 5,000 mg/kg bw

LC50 (Inhalation, Rat): > 5 mg/L air, 4h
Skin Corrosion/irritation  Not classified
Serious Eye damage/irritation  Not classified
Respiratory or skin sensitization  Not classified
Germ cell mutagenicity  Not classified
Carcinogenicity  Not classified
Reproductive toxicity  Not classified
STOT – single exposure  Not classified
STOT – repeated exposure  Not classified
Aspiration Hazard  Not classified

12. ECOLOGICAL INFORMATION

Toxicity

Mono ammonium phosphate (CAS# 7722-26-1):

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Acute Toxicity</th>
<th>Time</th>
<th>Species</th>
<th>Method</th>
<th>Evaluation</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mono Ammonium Phosphate</td>
<td>EC50 &gt;85.9 mg/L</td>
<td>96h</td>
<td>Fish</td>
<td>OECD 203</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td>EC50 N/A</td>
<td>48h</td>
<td>Daphnia</td>
<td>OECD 202</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td>EC50 &gt;97.1 mg/L</td>
<td>72h</td>
<td>Algae</td>
<td>OECD 201</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Persistence Degradability  Not available
Bioaccumulation Potential  Not available
Mobility in soil  Not available
Result of PBT & PVB assesment  Not available
Other adverse effects  No known significant effects or critical hazards

13. DISPOSAL INFORMATION

Waste treatment methods

Disposal methods

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261. To determine whether the altered material is a hazardous waste, consult the appropriate state, regional, or local regulations for additional requirements.
Contaminated Packaging

Since emptied containers may retain product residue, follow label warnings even after the container is emptied. Dispose of contents/containers in accordance with local regulations.

### 14. TRANSPORTATION INFORMATION

<table>
<thead>
<tr>
<th>BASIC REQUIREMENTS</th>
<th>DOT</th>
<th>IATA</th>
<th>IMDG</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN Number</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
</tr>
<tr>
<td>Proper Shipping Name</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
</tr>
<tr>
<td>Hazard Class</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
</tr>
<tr>
<td>Packing Group</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
</tr>
<tr>
<td>Environmental Hazards</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

**NOTES:**
This product is not defined as a hazardous material under U.S. Department of Transportation (DOT) 49 CFR 172, or by Transport Canada “Transportation of Dangerous Goods” regulations.

**Special Precautions for Shipping:**
If shipped in a stored pressure-type fire extinguisher, and pressurized with a non-flammable, nontoxic 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 is Limited Quantity when shipped via highway or rail. Use a Non-Flammable Gas label (class 2.2) when shipping via air.

### 15. REGULATORY INFORMATION

**US Federal Regulations**

- **TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**
  - Not regulated

- **CERCLA Hazardous Substance List (40 CFR 302.4)**
  - Not Listed

- **SARA 304 Emergency Release Notification**
  - Not Regulated

  - Not regulated

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

- **SARA 302 Extremely Hazardous Substance**
  - Not Listed

- **SARA 313 (TRI reporting)**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>% by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mono ammonium phosphate</td>
<td>7722-76-1</td>
<td>90.0 +/-2.0</td>
</tr>
</tbody>
</table>
Other Federal Regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPS) List
Not regulated

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Not regulated

Safe Drinking Water Act (SDWA)
Not regulated

16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Physical and Chemical Hazards – Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>X</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

Prepared By
Strike First Corporation
777 Tapscott Road
Scarborough ON
M1X 1A2 Canada

Revision Date: Feb. 5, 2018
Revision Note: Updated to NA Req’t

Disclaimer
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of this publication. This information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the test.

END OF SAFETY DATA SHEET