

**STRIKE FIRST**  
CORPORATION

# 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](mailto: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](mailto: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**

<b><u>Hazard Symbol</u></b>	<b><u>Signal Word</u></b>	<b><u>Hazard Statement</u></b>
	<b><u>Warning</u></b>	<u>Contents under pressure. may explode if heated</u>
	<b><u>Warning</u></b>	<u>May cause skin, eye or respiratory irritation</u>

**Emergency Overview**

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

**Appearance** Light Yellow      **Physical State** Powder(s) Solid      **Odor** Odorless

**Precautionary Statements**

None

**- Prevention**

**Precautionary Statements**

None

**- Response**

**Precautionary Statements**

None

**- Storage**

**Precautionary Statements**

None

**- Disposal**

**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

Chemical Name	CAS No	Weight - %
Mono Ammonium Phosphate	7722-76-1	90.0 +/-2.0
Mica	12001-26-2	<5.0
Methyl H Polysiloxane	63148-57-2	<1.0

#### 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

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

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.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Physical and Chemical Properties****Physical state**  
**Appearance**  
**Color**Solid  
Powder  
Yellow**Odor**  
**Odor Threshold**Odorless  
No information available**Property**  
**Ph****Values**  
4.0 – 4.5 (1%  
solution)**Remarks Method**  
None known**Melting / Freezing point**

&gt;100 °C

None known

**Boiling point /boiling range**

No data available

None known

**Flash point**

No data available

None known

**Evaporation rate**

No data available

None known

**Flammability (solid, gas)**

No data available

None known

**Flammability limit in air****Upper flammability limit**

Not flammable

**Lower flammability limit**

Not Flammable

**Vapor pressure**

No data available

None known

**Relative density**

~1.9 (@25 °C)

None known

**Specific gravity**

No data available

None known

**Water solubility**>90% after several  
hours (20 °C)

None known

**Solubility in other solvents**

No data available

None known

**Partition coefficient: n-octanol/water**

No data available

None known

**Decomposition temperature**

No data available

None known

**Kinematic viscosity**

No data available

None known

**Dynamic viscosity**

No data available

None known

**Explosive properties**

No data available

None known

**Oxidizing properties**

No data available

None known

**Other information**

<b>Softening point</b>	No data available
<b>VOC content (%)</b>	No data available
<b>Particle size</b>	No data available
<b>Particle size distribution</b>	No data available

<b>10. STABILITY AND REACTIVITY</b>
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<b><u>Reactivity</u></b>	No data available.
<b><u>Chemical stability</u></b>	Material is stable under normal conditions.
<b><u>Possibility of Hazardous Reactions</u></b>	No dangerous reactions known.
<b><u>Hazardous Polymerization</u></b>	Hazardous polymerization does not occur.
<b><u>Conditions to avoid</u></b>	Incompatible materials. Humidity
<b><u>Incompatible materials</u></b>	Strongly caustic material.
<b><u>Hazardous Decomposition Products</u></b>	Ammonia (>100 °C), In case of use of the material on fire, release toxic gas: NH <sub>3</sub> .

<b>11. TOXICOLOGICAL INFORMATION</b>
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**Information on likely routes of exposure**

<b><u>Inhalation</u></b>	May cause irritation of respiratory tract.
<b><u>Eye contact</u></b>	Contact with eyes may cause irritation.
<b><u>Skin contact</u></b>	May cause irritation.
<b><u>Ingestion</u></b>	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):**

<b>LD50 (Oral, Rat):</b>	> 2,000 mg/kg bw
<b>LD50 (Dermal, Rat):</b>	> 5,000 mg/kg bw
<b>LC50 (Inhalation, Rat):</b>	> 5 mg/L air, 4h

<b>Skin Corrosion/irritation</b>	Not classified
<b>Serious Eye damage/irritation</b>	Not classified
<b>Respiratory or skin sensitization</b>	Not classified
<b>Germ cell mutagenicity</b>	Not classified
<b>Carcinogenicity</b>	Not classified
<b>Reproductive toxicity</b>	Not classified
<b>STOT – single exposure</b>	Not classified
<b>STOT – repeated exposure</b>	Not classified
<b>Aspiration Hazard</b>	Not classified

## 12. ECOLOGICAL INFORMATION

### Toxicity

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

Chemical Name	Acute Toxicity		Time	Species	Method	Evaluation	Remarks
Mono Ammonium Phosphate	EC50	>85.9 mg/L	96h	Fish	OECD 203	N/A	N/A
	EC50	N/A	48h	Daphnia	OECD 202	N/A	N/A
	EC50	>97.1 mg/L	72h	Algae	OECD 201	N/A	N/A

**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.

<b>14. TRANSPORTATION INFORMATION</b>
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<b>BASIC REQUIREMENTS</b>	<b>DOT</b>	<b>IATA</b>	<b>IMDG</b>
<b>UN Number</b>	Not regulated	Not regulated	Not regulated
<b>Proper Shipping Name</b>	Not regulated	Not regulated	Not regulated
<b>Hazard Class</b>	Not regulated	Not regulated	Not regulated
<b>Packing Group</b>	Not regulated	Not regulated	Not regulated
<b>Environmental Hazards</b>	No	No	No

**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.

<b>15. REGULATORY INFORMATION</b>
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**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

**OSHA Specialty Regulated Substances (29 CFR 1910.1001-1050)**  
Not regulated

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

**SARA 302 Extremely Hazardous Substance**  
Not Listed

**SARA 313 (TRI reporting)**

<b>Chemical Name</b>	<b>CAS Number</b>	<b>% by Weight</b>
<b>Mono ammonium phosphate</b>	<b>7722-76-1</b>	<b>90.0 +/-2.0</b>



**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

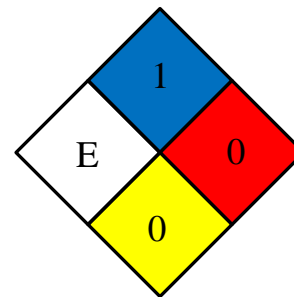
**16. OTHER INFORMATION**

NFPA	<b>Health Hazards</b>	1	<b>Flammability</b>	0	<b>Instability</b>	0	<b>Physical and Chemical Hazards – Personal Protection</b>
HMIS	<b>Health Hazards</b>	1	<b>Flammability</b>	0	<b>Instability</b>	0	X

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**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**