

**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

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

<u>Hazard Symbol</u>	<u>Signal Word</u>	<u>Hazard Statement</u>
	<u>Warning</u>	<u>Contents under pressure. may explode if heated</u>
	<u>Warning</u>	<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 ³ Respirable fraction	TWA: 3 mg/m ³ 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 measuresShowers
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	Solid		
Appearance	Powder	Odor	Odorless
Color	Yellow	Odor Threshold	No information available
<u>Property</u>	<u>Values</u>	<u>Remarks</u>	<u>Method</u>
Ph	4.0 – 4.5 (1% solution)	None known	
Melting / Freezing point	>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

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

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

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

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

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.

14. TRANSPORTATION INFORMATION

BASIC REQUIREMENTS	DOT	IATA	IMDG
UN Number	Not regulated	Not regulated	Not regulated
Proper Shipping Name	Not regulated	Not regulated	Not regulated
Hazard Class	Not regulated	Not regulated	Not regulated
Packing Group	Not regulated	Not regulated	Not regulated
Environmental Hazards	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.

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

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)

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

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

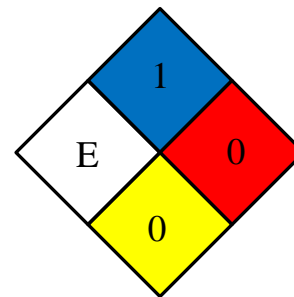
16. OTHER INFORMATION

NFPA	Health Hazards	1	Flammability	0	Instability	0	Physical and Chemical Hazards – Personal Protection
HMIS	Health Hazards	1	Flammability	0	Instability	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