

Safety Data Sheet

According to Regulation (EC) No 1907/2006

ABC90

Version 1.0

Issue date: 11/04/2016

Revision date: 11/04/2016

SDS Record Number: CSSS-TCO-010-118917

Section 1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:

Identification on the label/Trade name: ABC90
Additional identification: Not available
Identification of the product: See section 3
Index Number: Not available
REACH registration No.: Not available

1.2 Relevant identified uses of the substance and uses advised against:

1.2.1 Identified uses:

Used as dry chemical fire fighting agent.

1.2.2 Uses advised against:

Not available

1.3 Details of the supplier of the safety data sheet:

Supplier(Only representative): Chemical Inspection & Regulation Service Limited
Supplier(Manufacturer): SUZHOU WUYUE SYNTHETIC FIRE SCI-TECH CO., LTD.
Address: Mudu Town, Suzhou City, Jiangsu Province, China
Contact person(E-mail): Sales@wuyuexf.com
Telephone: +86-512-66360365 / 66262314
Fax: +86-512-66262360

1.4 Emergency telephone Number:

+353-41-980 6916

Available outside office hours? YES NO

Section 2 Hazards Identification

2.1 Classification of the substance/mixture:

2.1.1 Classification:

The mixture is classified as following according to REGULATION (EC) No 1272/2008:

REGULATION (EC) No 1272/2008	
Hazard classes/Hazard categories	Hazard codes
N/A	N/A

For full text of H- phrases: see section 2.2.

2.2 label elements:

Hazard Pictograms: No hazard pictogram is used.
Signal Word(S): No signal word is used.
Hazard Statement: Not applicable.
Precautionary statement: Not applicable.

2.3 Other hazards:

Not available.

Product name: ABC90

Version #: 1.0

Issue date: 11-04-2016.

Revision date:11-04-2016

SDS EU

1 / 6

Section 3 Composition/information on ingredients

Substance/Mixture: Mixture

Ingredient(s):

Chemical Name	Registration No.	CAS No.	EC No.	Concentration	classifications
Mono ammonium phosphate	01-2119488166-29-****	7722-76-1	231-764-5	90.0±3.0%	Not Classified
Mica	N/A	12001-26-2	N/A	<5.0%	Not Classified
Methyl H polysiloxane	N/A	63148-57-2	N/A	<1.0%	Not available

<1 percent of the mixture consists of component (s) of unknown toxicity.

Section 4 First aid measures

4.1 Description of first aid measures:

In all cases of doubt, or when symptoms persist, seek medical attention.

4.1.1 In case of inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration, if breathing is difficult, give oxygen.

4.1.2 In case of skin contact:

In case of contact, immediately wash skin with soap and copious amounts of water.

4.1.3 In case of eyes contact:

There might be a slight irritation which fades soon. Irrigate with water or eye wash solution.

4.1.4 In case of ingestion:

If swallowed, wash out mouth with water provided person is conscious, call a physician

4.2 Most important symptoms and effects, both acute and delayed:

The product is not classified as harmful to human health effect.

4.3 Indication of any immediate medical attention and special treatment needed:

If skin irritation or rash occurs, get medical advice/attention.

Section 5 Fire-Fighting measures

5.1 Extinguishing media:

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

Unsuitable extinguishing media: Not available.

5.2 Special hazards arising from the substance or mixture

Emits toxic fumes under fire conditions.

5.3 Advice for firefighters:

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Section 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

6.1.1 For non-emergency personnel: Remove all sources of ignition. Ventilate area of leak or spill.

6.1.2 For emergency responders: Wear an appropriate NIOSH/MSHA approved respirator if dust is generated.

6.2 Environmental Precautions:

Avoid disposing into drainage/sewer system or directly into the aquatic environment. Keeping away from drains, surface-and ground-water and soil.

6.3 Methods for Containment and Cleaning

Clean up spills immediately, observing precautions in the Protective Equipment

up: section. Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal. Avoid generating dusty conditions.

6.4 Reference to other sections:
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

Section 7 Handling and storage

7.1 Precautions for safe handling:

7.1.1 Protective measures: Wear appropriate protective clothing and safety gloves. Avoid contact with eyes, skin. Avoid inhalation. Mechanical exhaust required. Keep away from ignition sources, heat and flame, incompatibilities: strong oxidizing agents and foods. No smoking at working site.

7.1.2 Advice on general occupational hygiene: Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities: 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.

7.3 Specific end use(s): Not applicable.

Section 8 Exposure Controls/Personal Protection

8.1 Control parameters:

8.1.1 Occupational exposure limits: Not available.

8.1.2 Additional exposure limits under the conditions of use: Not available.

8.1.3 DNEL/DMEL and PNEC-Values: Not available.

8.2 Exposure controls:

8.2.1 Appropriate engineering controls: Use adequate ventilation to keep airborne concentrations low.

8.2.2 Individual protection measures, such as personal protective equipment:

Eye/face protection: Chemical safety goggles.

Hand protection: Wear appropriate protective gloves to prevent skin exposure.

Body protection: Wear appropriate protective clothing to prevent skin exposure.

Respiratory protection: Government approved respirator.

Thermal hazards: A respiratory protection program that meets OSHA's 29 CFR 1910.134 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

8.2.3 Environmental exposure controls: Avoid discharge into the environment.
According to local regulations, Federal and official regulations.

Section 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance: Powder

Colour: Yellow

Odour: Odorless

Odour threshold: Not available

pH: 4.0-4.5(1.0% soln.)

Melting point/range (°C): >100°C

Boiling point/range (°C): Not available

Flash point (°C): >300°C

Evaporation rate:	Not available
Flammability limit - lower (%):	Not available
Flammability (solid, gas):	Not available
Ignition temperature (°C):	Not available
Upper/lower flammability/explosive limits:	Not available
Vapour pressure (38°C):	Not available
Vapour density:	Not available
Relative Density:	~1.9
Bulk density (kg/m³):	Not available
Water solubility (g/l):	>90% after several hours
n-Octanol/Water (log Po/w):	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity, dynamic (mPa.s):	Not available
Explosive properties:	Not available
Oxidising properties:	Not available
Molecular Formula:	Not available
Molecular Weight:	Not available

9.2. Other information:

Fat solubility(solvent– oil to be specified)	Not available
etc:	
Surface tension:	Not available
Dissociation constant in water(pKa):	Not available
Oxidation-reduction Potential:	Not available
Specific gravity:	Not available

Section 10 Stability and reactivity

10.1 Reactivity:	The substance is stable under normal storage and handling conditions.
10.2 Chemical stability:	Stable at room temperature in closed containers under normal storage and handling conditions.
10.3 Possibility of hazardous reactions:	No dangerous reactions known.
10.4 Conditions to avoid:	Humidity, Incompatible materials.
10.5 Incompatible materials:	Strongly caustic material.
10.6 Hazardous decomposition products:	Not available

Section 11 Toxicological information

11.1 Information on toxicological effects:

Acute toxicity:	
LD50(Oral, Rat):	Not available
LD50(Dermal, Rabbit):	Not available
LC50(Inhalation, Rat):	Not available
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

Section 12 Ecological information

12.1 Toxicity:

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	N/A	96h	Fish	OECD 203	N/A	N/A
EC50	N/A	48h	Daphnia	OECD 202	N/A	N/A
EC50	N/A	72h	Algae	OECD 201	N/A	N/A

12.2 Persistence and degradability: Not available.
12.3 Bioaccumulative potential: Not available.
12.4 Mobility in soil: ABC90 contains mono ammonium phosphate which is a soil fertilizer.
12.5 Results of PBT&vPvB assessment: Not available.
12.6 Other adverse effects: Not available.

Section 13 Disposal considerations

13.1 Waste treatment methods: The material should be disposed of by incineration in a chemical incinerator in compliance with national and regional requirements.

Section 14 Transport information

	Land transport(ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN-Number	Not regulated	Not regulated	Not regulated
UN Proper shipping name	Not regulated	Not regulated	Not regulated
Transport hazard Class	Not regulated	Not regulated	Not regulated
Packaging group	Not regulated	Not regulated	Not regulated
Environmental hazards	No	No	No
Special precautions for user	See section 2.2	See section 2.2	See section 2.2
Transport in bulk according to Annex II of Marpol and the IBC Code	Not regulated	Not regulated	Not regulated

Section 15 Regulation information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Relevant information regarding authorization: Not applicable.
Relevant information regarding restriction: Not applicable.
Other EU regulations: Employment restrictions concerning young person must be observed. For use only by technically qualified individuals.
Other National regulations: Not applicable

15.2 Chemical Safety Assessment has been YES NO

carried out?

Section 16 Other information

16.1 Indication of changes:

Version 1.0 Amended by (EU) 2015/830

16.2 Training instructions:

Not applicable.

16.3 Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

16.4 Notice to reader:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

Author: Hangzhou CIRS Co., Limited Website: www.cirs-group.com Tel: 0571-87206555 Email: info@cirs-group.com