



Material Safety Data Sheet

ABC extinguisher

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: ABC Dry chemical powder extinguisher
Product Use: Fire extinguisher

Supplier Information

Company Name: JIANGSHAN DIYI FIRE EQUIPMENT CO.,LTD
Address: No.16 Riyue Road, Riyue Village, Xintangbian Town, Jiangshan City, Zhejiang Province, CHINA
Tel: 0570-4772262
Fax: 0570-4772261
Emergency Telephone: 13605827692

2. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Preparation: Preparation

Ingredients Name		Content/%	CAS No.	EINECS No.	EU Classification
Barrel material		-	-	-	-
Dry Chemical	Ammonium dihydrogen phosphate	>40	7722-76-1	231-764-5	R22,R36/37/38
	Ammonium sulfate		7783-20-2	231-984-1	R36/37/38
	Other none hazards materials	Balance	NA	NA	-

Note:

- 1: Fire extinguishers contain compressed air to ensure a high velocity discharge of product.
- 2: This MSDS is prepared mainly according to the dry chemical inside the extinguisher.
- 3: This MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of the product.

3. HAZARDS IDENTIFICATION

For Humans:

Product:

EU Classification: Harmful

R Phrases: 22 Harmful if swallowed
36/37/38 Irritating to eyes, respiratory system and skin

S Phrases: 26 In case of contact with eyes, rinse immediately with water & seek medical help



Material Safety Data Sheet

ABC extinguisher

36 Wear suitable protective clothing

Components:

Ammonium dihydrogen phosphate:

EU Classification: Harmful

R Phrases: 22 Harmful if swallowed
36/37/38 Irritating to eyes, respiratory system and skin

S Phrases: 26 In case of contact with eyes, rinse immediately with water & seek medical help
36 Wear suitable protective clothing

Ammonium sulfate:

EU Classification: Irritant

R Phrases: 36/37/38 Irritating to eyes, respiratory system and skin

S Phrases: 26 In case of contact with eyes, rinse immediately with water & seek medical help
36 Wear suitable protective clothing

Limit Values for Exposure:

Nuisance dust limit:

OSHA TWA: 15 mg/m³

ACGIH TLV-TWA: 10 mg/m³

Neither this preparation nor the substances contained in it have been listed as carcinogenic by National Toxicology Program, I.A.R.C. or OSHA.

As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

Signs & Symptoms:

Acute Exposure:

Eye Contact: Mildly irritating for short periods of time.

Skin Contact: May be mildly irritating.

Inhalation: Treat as a mineral dust. Irritant to the respiratory tract. Transient cough and shortness of breath may occur.

Ingestion: Not an expected route of entry.

Chronic Overexposure:

Inhalation: Chronic fibrosis of the lung, pneumoconiosis.

Medical conditions generally aggravated by exposure: None known.

For Environment: No data available.

4. FIRST AID MEASURES

Eye Contact: Wash with water for a minimum of 15 minutes. If irritation persists seek medical attention.



Material Safety Data Sheet

ABC extinguisher

Skin Contact: Wash affected area with soap and water. If irritation persists seek medical attention.

Inhalation: Remove from exposure. If irritation persists seek medical attention.

Ingestion: If patient is conscious, give large amounts of water and induce vomiting. Seek medical help.

5. FIRE FIGHTING MEASURES

This preparation is an extinguishing media.

There are NO extinguishing media which must not be used for safety reasons.

NO special protective equipment is needed for firefighters.

6. ACCIDENTAL RELEASE MEASURES

For personal protection: Prevent skin and eye contact, see Section 8.

Clean up: Sweep up and recover for use of place in closed container for disposal, see Section 13.

NO harm to the environment is expected from an accidental release of this preparation.

7. HANDLING AND STORAGE

Handling

Care should be taken in handling all chemical substances and preparations.

See incompatibility information in Section 10.

Storage

NO special conditions are needed for safe storage.

See incompatibility information in Section 10.

Keep tightly closed until used.

There is minimal danger to the environment from a storage release.

Specific use

The intended or recommended use of this preparation is as a fire extinguisher.



Material Safety Data Sheet

ABC extinguisher

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure limit values

Nuisance dust limit:

OSHA TWA: 15 mg/m³

ACGIH TLV-TWA: 10 mg/ m³

Exposure controls

Occupational exposure controls

Respiratory protection

Dust mask where dustiness is prevalent, or TLV is exceeded. Use mechanical filter respirator if exposure is prolonged.

Hand protection

None normally needed. Use chemical resistant gloves when handling the preparation.

Eye protection

Use safety glasses with side shields or safety goggles as mechanical barrier for prolonged exposure.

Skin protection

No special equipment is needed.

Environmental exposure controls

No special controls are needed.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Yellow solid powder.

Odor: None

PH: 4.5 as 1% solution in water.

Boiling point/boiling range: Not applicable

Flash point: None

Flammability (solid/gas): Not flammable

Explosive properties: Not explosive

Oxidizing properties: Not an oxidizer

Vapor pressure: Not applicable



Material Safety Data Sheet

ABC extinguisher

Relative Density: Not applicable

Solubility: Water solubility: 38 g/100 ml

Partition coefficient: n-octanol/water: Not determined

Viscosity: Not applicable

Vapor density (air=1): Not applicable

Evaporation rate: Not applicable

Auto-ignition temperature: Does not ignite

10. STABILITY AND REACTIVITY

Conditions to avoid

There are NO known conditions such as temperature, pressure, light, shock, etc., which may cause a dangerous reaction.

Materials to avoid

Strong alkalis, magnesium.

Hazardous decomposition products

Normally stable.

Hazardous polymerization will NOT occur.

Ammonia and/or phosphorous oxides can be evolved at very high temperatures.

11. TOXICOLOGICAL INFORMATION

This product has not been tested for toxicological effects. Product is treated as a nuisance dust.

Components:

Ammonium dihydrogen phosphate:

Material is irritating.

Harmful if swallowed.

Ammonium sulfate:



Material Safety Data Sheet

ABC extinguisher

Toxicity Data: Oral (rat) LD 50 2840 mg/kg

Target Organs: Lungs and gastrointestinal

12. ECOLOGICAL INFORMATION

Ecotoxicity

Not determined.

Mobility

Not determined.

Persistence and degradability

Not relevant.

Bioaccumulative potential

Not determined

Other adverse effects

Ozone depletion potential: None

Photochemical ozone creation potential: None

Global warming potential: None

13. DISPOSAL CONSIDERATIONS

No harm to the environment is expected from this preparation.

Disposal should be in accordance with local, state or national legislation.

14. TRANSPORT INFORMATION

Hazard Class or Division: Fire Extinguisher

Class: 2.2

UN No. 1044



Material Safety Data Sheet

ABC extinguisher

15. REGULATORY INFORMATION

Product related hazard informations:

EC Classification: Harmful

Hazard symbols: Xn



Risk phrases:

22 Harmful if swallowed

36/37/38 Irritating to eyes, respiratory system and skin

Safety phrases:

26 In case of contact with eyes, rinse immediately with water & seek medical help

36 Wear suitable protective clothing

16. OTHER INFORMATION

Risk phrases in section 2:

R22 Harmful if swallowed

R36/37/38 Irritating to eyes, respiratory system and skin

Issue Date: 15TH.March.2017

This information and these recommendations are offered in good faith and believed to be correct as of the date hereof. Information and recommendations are supplied upon the condition that the recipients will make their own decision as to safety and suitability for their purposes. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose, or of any other nature, are made with respect to the product or the information and recommendations. We make no representation as to completeness or accuracy. In no event we shall be responsible for damages of any nature whatsoever resulting from the use or reliance upon the information and recommendations.

* * * END OF MSDS * * *