

Material Safety Data Sheet

According (EU) 453/2010 & 1272/2008

Date of issue: December, 2008

Date of update: February, 2014

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

1.1 Identification of the preparation

Product Name: "Prestolit ABC"
Chemical Name: N/A-This is a mixture/preparation.
CAS No.: N/A-This is a mixture/preparation.
Chemical Formula: N/A-This is a mixture/preparation.
EINECS Number: N/A-This is a mixture/preparation.

1.2 Use of the preparation

The intended or recommended use of this preparation is as a FIRE EXTINGUISHING AGENT.

1.3 Company Identification

Manufacture/Supplier: YUYAO EXTINGUISHER
Address: Yuyao City Zhejiang China
Prepared by: Safety and Health Department
Phone: 086-574-624670
Internet/Home Page:

1.4 Emergency telephone 086-574-62469300

2. COMPOSITION/INFORMATION ON INGREDIENTS

2.1 Registration No.

Ingredient Name:	Concentration, Wt %	CAS No.	EC No.	Registration No.
Ammonium dihydrogenorthophosphate	21.5±1.5 %	7722-76-1	231-764-5	01-2119488166-29-0071
Ammonium sulphate	68±3 %	7783-20-2	231-984-1	01-2119455044-46-0146

2.2 Pre-registration No.

Ingredient Name:	Concentration, Wt %	CAS No.	EC No.	Pre-Registration No.
Talc (mg3H2(Sio3)4)	3-4 %	14807-96-6	238-877-9	17-2119954134-41-0000
Mica	3-4 %	12001-26-2	N/A	17-2119954135-39-0000
crystalite	≤ 3 %	14464-46-1	238-455-4	17-2119954133-43-0000
Dichloro(dimethyl)silane	<1%	75-78-5	200-901-0	17-2119954132-45-0000

Importers will be regarded as downstream users (DU) and do not need to do their own REACH registration. A sample REACH tonnage coverage certificate is available here.

http://www.cirs-reach.com/REACH/REACH_Certificate_Of_Compliance.pdf

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 plenty of water and seek medical advice .
36 Wear suitable protective clothing .

Components:

Ammonium dihydrogenorthophosphate :

EU Classification: Harmful.
R Phrases: 22 Harmful if swallowed .
36/37/38 Irritating to eyes , respiratry system, and skin.
S Phrases : 26 In case of contact with eyes , rinse immediately with plenty of water and seek medical advice.
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 plenty of water and seek medical advice .
36 Wear suitable protective clothing .

Limit Values for Exposure:

Nuisance dust limit:

余姚市瑞阳灭火药剂有限公司
YUYAO RUIYANG FIRE EXTINGUISHER MEDIUM CO., LTD.

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 AND 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 , shortness of breath .

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.

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 fire-fighters. Wear protective equipment appropriate for the fire conditions.

6. ACCIDENTAL RELEASE MEASURES

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

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

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

7. HANDLING AND STORAGE

7.1 Handling

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

See incompatibility information in Heading 10

7.2 Storage

NO special conditions are needed for safe storage.

See incompatibility Information in Heading 10.

Store in original container or fire extinguisher. Keep tightly closed until used.

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

7.3 Specific use

The intended or recommended use of this preparation is as a FIRE EXTINGUISHING AGENT .

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure limit values

Nuisance dust limit:

OSHA TWA: 15mg/m³

ACGIH TLV-TWA: 10mg/m³

8.2 Exposure controls

8.2.1. OCCUPATIONAL EXPOGURE CONTROLS

8.2.1.1. Respiratory protection

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

8.2.1.2. Hand protection

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

8.2.1.3. Eye protection

Use safety glasses with side shields or safety goggles.

8.2.1.4. Skin protection

No special equipment is needed.

8.2.2 Environmental exposure controls

No special controls are needed.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. General information

Appearance: Powder.

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YUYAO RUIYANG FIRE EXTINGUISHER MEDIUM CO., LTD.

Color:	Blue
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9.2. Important health, safety, and environmental information

PH:	Not determined.
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.
Relative Density:	Not applicable.
Solubility:	
—Water solubility:	Slight.
—Fat solubility:	Not soluble.
Partition coefficient, -octanol/water:	Not determined.
Viscosity:	Not applicable.
Vapor density (Air = 1):	Not applicable.
Evaporation rate:	Not applicable.

9.3. Other information

Auto-ignition temperature:	Does not ignite.
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10. STABILITY AND REACTIVITY

- 10.1. Conditions to avoid
There are NO known conditions such as temperature, pressure, light, shock, etc., which may cause a dangerous reaction.
- 10.2. Materials to avoid
Strong alkalis, magnesium, oxidizers that can release Ammonia gas.
- 10.3. Hazardous decomposition products
Normally stable.
Hazardous polymerization will NOT occur.
Ammonia and/or phosphorous oxides can be evolved at very high temperatures.
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11. TOXICOLOGICAL INFORMATION

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

Components:

Monoammonium Phosphate:

Material is irritating.
Harmful if swallowed.

Ammonium sulphate:

Toxicity Data:	Oral (rat) LD50	2840 mg/kg.
Target Organs:	Lungs and gastrointestinal.	

12. ECOLOGICAL INFORMATION

- 12.1. Ecotoxicity
Not determined.
- 12.2. Mobility
Not determined.
- 12.3. Persistence and degradability
Not determined.
- 12.4. Bioaccumulative potential
Not determined.
- 12.5. Other adverse effects
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|---|-------|
| Ozone depletion potential: | None. |
| Photochemical ozone creation potential: | None. |
| Global warning potential: | None. |
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13. DISPOSAL CONSIDERATIONS

NO harm to the environment is expected from this preparation.

Dispose of in compliance with national, regional, and local provisions that may be in force.

14. TRANSPORT INFORMATION

Hazard Class or Division: Not a hazardous substance.
For additional transport information, contact YUYAO RUIYANG EXTINGUISHER MEDIUM LTD.
No harm to the environment is expected from this preparation.

15. REGULATORY INFORMATION

Product:

EU Classification:		Harmful.
R Phrases:	22 36/37/38	Harmful if swallowed. Irritating to eyes, respiratory system, and skin.
S Phrases:	26 36	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.

Limit values for Exposure:
Nuisance dust limit:

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OSHA TWA: 15 mg/m³.

ACGIH TLV-TWA: 10 mg/m³.

According Annex II of EU Regulation (EC) No 1907/2006 (REACH) . Format is from directive EC/453/2010 replaces .

Environmental restrictions: None are known.

Refer to any other national measures that may be relevant.

16. OTHER INFORMATION

(HMIS) HAZARDOUS MATERIAL IDENTIFICATION SYSTEM RATINGS:

HEALTH:	<u>1</u>	4. Severe Hazard
FLAMMABILITY:	<u>0</u>	3. Serious Hazard
REACTIVITY:	<u>0</u>	2. Moderate Hazard
		1. Minimal Hazard

(WHMIS) CANADIAN WORKPLACE HAZARDIOUS MATERIAL IDENTIFICATION SYSTEM RATINGS;

This product is rated: D2B - Product may irritate skin, eyes or mucous membranes.

Toxicological information added from the EINICS ESIS (Existing Substances Information System).

A rating under WHMIS has been added, following the Canadian guidelines.

17. DISCLAIMER

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT. BUT DOES NOT PURPORT TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. YUYAO RUIYANG EXTINGUISHER MEDIUM LTD. SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT.

N/A = Not Applicable

NDA = No Data Available