

SAFETY DATA SHEET

1 - IDENTIFICATION OF PRODUCT AND MANUFACTURER

1.1 Kind of product:	Dry extinguishing powder
1.2 Trade name:	ABC 40 Powder
1.3 Manufacturer details	Suzhou Wuyue Synthetic Fire Sci- Tech Co. Ltd

2 - COMPOSITION

Components	n° CAS
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Monoammonium phosphate	7722-76-1
Ammonium sulphate	7783-20-2
Additives	N.A.

3 - HAZARDS IDENTIFICATION

- 3.1 Contact with eyes: Irritating to eyes
- 3.2 Contact with skin: Irritating to skin
- 3.3 Ingestion: Toxic if swallowed
- 3.4 Inhalation: Irritating to respiratory system.

4 - FIRST AID MEASURES:

- 4.1 Contact with eyes: Rinse immediately with plenty of water. Seek medical advice.
- 4.2 Contact with skin: Rinse immediately with plenty of water.
- 4.3 Inhalation: Make the person outside. Seek medical advice if symptoms persist.
- 4.4 Ingestion: Seek medical advice and show the container or label of the product.

5 - FIRE FIGHTING MEASURES

- 5.1 Appropriate fire fighting apparel: The product is a fire extinguishing agent.
- 5.2 Fire fighting procedure: Not applicable.

6 - ACCIDENTAL RELEASE MEASURES

- 6.1 General information: Use a suitable protective equipment
- 6.2 Cleaning methods: Avoid to disperse in the environment.
- 6.2 Disposal methods: Dispose into a controlled dump.

7 - HANDLING AND STORAGE

- 7.1 Storage: Store in covered places, keep away from atmospheric agents, basically from the

moisture.

7.2 Handling: This product does not present risks of acute irritation. It is anyway advisable to wear suitable protection features when handling it.

7.2 Fire fighting: Not applicable.

8 - EXPOSURE CONTROLS

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| 8.1 Eyes protection: | Use protective glasses. |
| 8.2 Hands protection: | Use suitable gloves when handling the powder. |
| 8.2 Skin Protection: | Use gloves when handling the powder; avoid prolonged contact with skin. |
| 8.4 Breathing protection: | Do not breathe dust, use a suitable mask. |
| 8.5 Ingestion: | Do not eat or drink when using. |

9 - CHEMICAL AND PHYSICAL PROPERTIES

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| 9.1 Physical state: | Crystalline solid. |
| 9.2 Colour: | White, to be coloured in blue, yellow or purple. |
| 9.3 Odour: | Odourless. |
| 9.4 Solubility: | Insoluble in water. |
| 9.5 Melting point: | 170-190 °C. |
| 9.6 Boiling point: | Not applicable. |
| 9.7 Flash point: | Not applicable |
| 9.8 Self-ignition temperature: | Not applicable. |
| 9.9 pH: | Ca. 5.5 (5% dispersion) |
| 9.10 Bulk density: | Ca. 0,9 g/cm ³ |

10 - STABILITY AND REACTIVITY

- 10.1 Stability: This product is stable in standard condition.
- 10.2 Reactivity: This product reacts with oxidizing agents.

The combustion produces phosphoric anhydride and ammonia. P₂O₅ produced on combustion has notorious toxic characteristics being a corrosive substance and irritating to the mucous membranes, so in the toxicological evaluations of the product, the benefit related to its fire fighting action should be taken into consideration. It must be noted that the quantity of P₂O₅ generated from the combustion is well below the threshold value of 1 mg/mc of air recommended by American Conference of Government Hygienists (ACGIH) for the working places. As for ammonia, its concentration is well within the acceptable limits (classification

Hendersoned Hoggard - Patty's Industrial Hygiene and Toxicology).

11 - TOXICOLOGICAL INFORMATION

11.1 Oral acute toxicity: DL50 (rat) 3000 mg/Kg

12 - ECOLOGICAL INFORMATION

12.1 Biodegradability: > 90%
12.2 Ecotoxicity: No toxic.

13 - DISPOSAL CONSIDERATIONS

Pick up the product and dispose in a authorized dump according to regulations in force.

14 - TRANSPORT INFORMATION

Road and railway transport : Not regulated.

15 - OTHER INFORMATION

This product must be stored, handled and used according to the hygiene and security standards, and in conformity to the regulations in force. The information included in this safety data sheet are based on currently available data. In case of use of the product in anyway not conforming to the present or in any other process, the responsibility shall fall on the user.