

SAFETY DATA SHEET**1. PRODUCT AND COMPANY IDENTIFICATION**

Product Name : Dry chemical fire extinguishers
Model Number : ABC90
Company Name : Hatsuta(Ningbo)Fire-Fighting Equipment Co.,Ltd.
Address : No.28 Donghuan Rd. Ningbo Export Processing Zone,
Zhejiang, China
Section : Product Development Dept.
Telephone : +86-574-2686-8855
Fax : +86-574-2688-2110
Control Number : IROHA(3kg)

2. HAZARDS IDENTIFICATION

GHS Classification

Physical Chemical Hazards

Flammable Solid : NO
Pyrophoric Solid : NO
Oxidizing Solid : NO
Acute Toxicity : NO
Skin Corrosion / Irritation : NO
Eye damage / irritation : NO

Categories not listed can not be categorize or have no category

GHS Label

Signal Word : None
Hazard Statement : None
Precautionary Statement : **PREVENTION:** Use personal protective equipment as required. Wash hands thoroughly after use.
RESPONSE: See section 4 First Aid Measures
STORAGE: See section 7. Handling and Storage
DISPOSAL: See section 13. Waste Disposal Considerations

3. COMPOSITION / INFORMATION ON INGREDIENTS

Single Product / Mixture Composition : Mixture

| Component name | Weight(%) | JCSCL # | Industrial Safety and Health Law | CAS # |
|------------------------------------|-----------|---------|----------------------------------|-----------|
| Monoammonium Phosphate | 85~95 | (1)-379 | Open | 7722-76-1 |
| Material to Prevent Solidification | 3~10 | NA | Open | Yes |
| Silicon Dioxide | 2~5 | (1)-548 | Open | Yes |
| Dye | Trace | Yes | Open | Yes |

4. FIRST AID MEASURES

- Inhalation : Remove to fresh air. Blow nose, rinse mouth with water.
- Skin Contact : Immediately flush contaminated skin with plenty of water.
- Contact with eyes : Immediately flush eyes with plenty of water.
- Ingestion : Immediately make victim drink water or salted water to induce vomiting. If necessary get medical attention.
- Protection for emergency responder : Wear rubber gloves and airtight protective goggles.

5. FIRE FIGHTING MEASURES

- Extinguishing Media : This product is noncombustible
- Unsuitable Extinguishing Media : None
- Special Fire Fighting Procedures : The product is noncombustible. If there is a fire move the cylinder to a safe place. If the cylinder can not be moved, cool surrounding area with water.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures. : Put on appropriate personal protective equipment when handling. Avoid skin contact and avoid breathing dust. Work upwind and wear appropriate personal protective equipment such as goggles and mask.. Avoid being downwind.
- Environmental precautions : Contains phosphorus and nitrogen that can cause eutrophication, so avoid entry into rivers and waterways.
- Collection and Neutralization (Methods and materials for containment and cleaning up.) : Sweep up material and place in empty containers. Wash effected area with plenty of water.

7. HANDLING AND STORAGE

Handling

Protective measures : Put on appropriate personal protective equipment when handling. Avoid skin contact and avoid breathing dust.

Caution : Avoid creating dusty conditions.

Storage

Suitable storage conditions : Keep container tightly closed in a cool dark place.

Suitable containers : Original container or appropriate fire extinguisher.

8. PRECAUTION TO CONTROL EXPOSURE / PERSONAL PROTECTION

Engineering Control Measures : For indoor use, use enclosures to contain dust or use local ventilation.

Control Concentration : Not set

Exposure Limits Japan Society of : Inorganic Dust

Occupational Health (2004) : Inhalation of dust: 2mg/m³

Total Dust: :8mg/m³

Personal Protective Equipment

Respiratory Protection : When necessary use dust protection mask.

Hand Protection : Non-permeable Gloves

Eye Protection : Protective goggles

Skin and Body Protection : Protective clothes (long sleeved work clothes), protective boots etc.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Yellow powder with liquidity

Odor : Odorless

pH : Weak Acid when dissolved in water.

Melting Point : Decomposes

Boiling Point : Decomposes

Flash Point : None

Flammability and Explosion Limits : Upper Limit: No data, Lower Limit: No Data

Density : 0.91g/cm³

Solubility : In Water: The powder is prepared with water repellent so does not dissolve much in water unless the water repellent is lost. Slightly soluble in organic solvent such as ethanol.

10. STABILITY AND REACTIVITY

| | |
|----------------------------------|---|
| Stability | : Normally Stable |
| Reactivity | : May react when in contact with an oxidizing agent |
| Conditions to Avoid | : Direct sunlight, Heat |
| Incompatible Materials | : Alkali |
| Hazardous Decomposition Products | : Nitrogen Oxide, Ammonia Gas |

11. TOXICOLOGICAL INFORMATION

| | |
|--|---|
| Acute Toxicity | : Oral: No Skin: Data not available, cannot categorize. Inhalation (Vapor): Data not available, cannot categorize. Inhalation (Dust, Mist): Data not available, cannot categorize. When dust is inhaled may cause irritation to nose, throat and bronchial tubes. |
| Skin corrosion / irritation | : No |
| Eye damage / irritation | : No |
| Respiratory and Skin irritation | : Respiratory: Data not available, cannot categorize. Skin: Data not available, cannot categorize. |
| Mutagenicity | : Data not available, cannot categorize. |
| Carcinogenicity | : Data not available, cannot categorize. |
| Reproductive toxicity | : Data not available, cannot categorize. |
| Specific target organ toxicity (single exposure) | : Data not available, cannot categorize. |
| Specific target organ toxicity (repeat exposure) | : Data not available, cannot categorize. |
| Aspiration Hazard | : Data not available, cannot categorize. |

12. ECOLOGICAL INFORMATION

| | |
|-----------------------------|-----------|
| Ecotoxicity | |
| Fish | : No Data |
| Crustacean | : No Data |
| Seaweed | : No Data |
| Persistence / Degradability | : No Data |
| Bioaccumulative Potential | : No Data |
| Mobility in Soil | : No Data |

13. WASTE DISPOSAL CONSIDERATIONS

- Remaining Contents : Put in a plastic bag, and pack it. Then hand over to a collecting agency recognized by the fire extinguisher industry, or an authorized waste disposal organization.
- Containers and Packing : When disposing of the container, make sure the contents are empty before disposing.

14. TRANSPORTATION INFORMATION

- Japanese Regulation : Not Regulated
- International Regulation : Not Regulated
- Conditions for safe transportation : When transporting avoid direct sunlight. Check there are no leaks in the container. Avoid drops, falls and damage by securing the load.

15. REGULATORY INFORMATION

- Pollutant Release and Transfer Register (PRTR) : Not Regulated
- Poisonous and Deleterious Substances Control Law : Not Regulated
- Industrial Safety and Health Law : Not Regulated
- Water Pollution Control Law : Order for Enforcement 2: ammonium compound
Order for Enforcement 3: phosphorus content
Depending on the concentration of emission, there will be an effect on pH, Biochemical Oxygen Demand (BOD), and Chemical Oxygen Demand (COD).

16. OTHER INFORMATION

- References : International Chemical Safety Card(ICSC)-Japanese version -(2000)/National Institute of Health Sciences
MSDS Data Book/ The Chemical Daily
Regulation Control Handbook/ The Chemical Daily
GHS Data Base/NITE Web Site
Physics and Chemistry Dictionary (Edition 4)/Iwanami
MSDS and documents from Hatsuta

※This SDS is based on information available at the time of writing. It does not contain all information regarding safety. Use caution when handling any product. The warnings contained are intended for normal use of the product. For any abnormal uses please use appropriate safety measures. Moreover, information contained such as physical, chemical and warnings are for information only and are not intended as any kind of guarantee.