



MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY DATA

Product Name: PHPA , Anionic Polyacrylamide

Supplied By: Anhui Tianrun Chemicals Co., Ltd.

NO. 271 Yinhu Road, Huaishang Economic Development
Zone, Bengbu, Anhui, China.

Manufactured By: Anhui Tianrun Chemicals Co., Ltd.

NO. 271 Yinhu Road, Huaishang Economic Development
Zone, Bengbu, Anhui, China.

2. HAZARDS

❑ **No Hazardous Ingredients**

Static charges generated by emptying package in or near flammable vapours may cause flash fire.

May form flammable dust-air mixtures.

May cause eye irritation by mechanical abrasion.

May cause skin irritation by mechanical abrasion.

Inhalation may cause respiratory tract irritation.

3. FIRST MEASURE

❑ **Eyes** May cause slight irritation. Wash immediately with plenty of low-pressure water for at least 10 minutes.

❑ **Ingestion attention** Do not induce vomiting. Get immediate medical

❑ **Skin** Wash thoroughly with soap and water.

Get medical attention if irritation develops or persists.

❑ **Inhalation** Remove to fresh air. Get medical attention if nasal, throat or lung irritation develops.

❑ **Physical Effects** Flammable dust clouds may be formed in contact with Air. Keep away from ignition sources.
Very slippery when wet.

4. FIRE FIGHTING MEASURES

- ❑ **Extinguishing media** Foam, dry powder or carbon dioxide. Avoid water if possible as the product is slippery when wet.
- ❑ **Fire Fighting Equipment** Chemical protection suit and self- contained breathing Apparatus.
- ❑ **Dust** Dust may be explosive if mixed with air and in the presence of an ignition source. Avoid these circumstances.

5. ACCIDENTAL RELEASE MEASURE

- ❑ **Personal precautions** Avoid dusting and contact with skin and eyes. Use of a dust mask when handling the product.
- ❑ **Spillages** Sweep up and dispose of in a dry environment area finally clearing the area by hosing with water. Spilled product , which becomes wet is very slippery and should be treated with sand prior to disposal.

6. HANDLING AND STORAGE

- ❑ **Handling** Minimise dusting of product.
- ❑ **Storage** Store the powder in cool, dry conditions avoiding humid and wet areas.

7. EXPOSURE CONTROL

- ❑ Ensure adequate ventilation in confined areas and where dusting is a problem ensure adequate exhaust facilities are provided.

8. PERSONAL PROTECTION EQUIPMENT

- ❑ **Respiratory** If dusting is a problem wear an effective facemask with a particle filter.
- ❑ **Eye** Use of goggles.
- ❑ **Hand** Plastic gloves.
- ❑ **Skin/Body** Lightweight protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

- ❑ **Color** White
- ❑ **Appearance** White powder
- ❑ **Specific Gravity** Approx 0.6-0.8 g/cm³
- ❑ **Odor** Weak odor
- ❑ **PH 1% solution** 6 to 9
- ❑ **Boiling Point** Not applicable.
- ❑ **Melting Point** Not applicable.
- ❑ **Flash Point** Not applicable.
- ❑ **Vapour Pressure** Not applicable.
- ❑ **Flammability** Not applicable.
- ❑ **Auto ignition temperature** Not applicable.
- ❑ **Water Solubility** Produces a highly viscous solution.

10. STABILITY AND REACTIVITY

- ❑ **Stability** Stable at ambient temperature.
- ❑ **Conditions to avoid** None.
- ❑ **Materials to avoid** Avoid contact with oxidising agents.
- ❑ **Hazardous decomposition products** Carbon monoxide, carbon dioxide, ammonia.

11. TOXICOLOGICAL INFORMATION

- ❑ Not list as a carcinogen by NTP. Not regulated as a carcinogen by OSHA. Not evaluated by IARC.
- ❑ Oral LD 50 (rat) >5000mg/kg.
- ❑ No human toxicity studies have been carried out with this product. Due to the physical nature of this material, may cause eye, skin and respiratory irritation.

12. ECOLOGICAL INFORMATION

- ❑ 96hr LC 50(fish) >1000mg/l.

13. DISPOSAL

- ☐ Local and national regulations should be followed.

14. TRANSPORT

- ☐ Not classified as dangerous in any form of transportation.

15. REGULATORY LABELLING INFORMATION

- ☐ **Hazard Symbols** None.
- ☐ **Risk Phrases** None.
- ☐ **Safety Phrases** None.

16. OTHER INFORMATION

- ☐ Materials that in themselves are normally stable, even under fire exposure conditions