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# MATERIAL SAFETY DATA SHEET

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## 1. PRODUCT AND COMPANY DATA

**Product Name:** Polyacrylamide

**Supplied By :** Tiandeli Co., Ltd.

9F-903, MSD-G1, NO.57 2ND VENUE, TEDA, TIANJIN,300457,CHINA.

**Emergency Call:** +86 22 65292505

**Manufactured By:** Tiandeli Co., Ltd.

9F-903, MSD-G1, NO.57 2ND VENUE, TEDA, TIANJIN,300457,CHINA.

**CAS NO.:** 9003-05-8

**Date :** 2020-01-01

INGREDIENT	CONCENTRATION	CAS NO.	EC NO.
Polyacrylamide	88%	9003-05-8	/
WATER	12%	7732-18-5	/

## 2. HAZARDS

**No Hazardous Ingredients**

Static charges generated by emptying package in or near flammable vapors 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.

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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.

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- **Hand** Plastic gloves.
  - **Skin/Body** Lightweight protective clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- **Colour** Off-white.
- **Appearance** Off-white Granule
- **Specific Gravity** Approx 0.75g/cm<sup>3</sup>
- **Odor** Weak odor
- **PH 1% solution** 6 to 8
- **Boiling Point** Not applicable.
- **Melting Point** Not available.
- **Flash Point** Not available.
- **Vapour Pressure** Not applicable.
- **Flammability** Not available.
- **Auto ignition temperature** Not available.
- **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..

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- 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

- RID/ADR : This substance is considered to be non-hazardous for transport.
- IATA : This substance is considered to be non-hazardous for air transport.
- IMO : This substance is considered to be non-hazardous for sea transport.
- IMDG:
  - UN number : Not regulated
  - UN proper shipping name: Not regulated
  - Transport hazard class(es): Not regulated
  - Packing group : Not regulated
  - Environmental hazards : No

## 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