

## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY DATA

**Product Name:** Cationic Polymer NP-05

**Supplied By :** Nippon Intertrade Co.,Ltd.

**Address:** 58 Soi Suksawat 31/1, Suksawat Road, Rajburana, Rajburana, Bangkok 10140

**Website:** [https://www.npitrade.com](http://www.npitrade.com)

**Email:** [sales@npitrade.com](mailto:sales@npitrade.com)

### 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 my 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** Do NOT induce vomiting. Get immediate medical attention

**\* 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

- \* **Colour** White.
- \* **Appearance** White Granular solid.
- \* **Specific Gravity** Approx 0.70g/cm3.
- \* **Odour** None.
- \* **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.
- \* Oral LD 45 (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