



## 1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

Product Name: POLY(DIMETHYLAMINE-CO-EPICHLOROHYDRIN)  
Supplier: Unilong Industry Co.,Ltd.  
Address: No.2000 Shunhua Rd, High-Tech Zone, Jinan City,  
Shandong Province, China  
Tel: +86 0531 55690071

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Identification of the preparation: Cationic polymer in solution  
Chemical Name: Polyamine  
CAS NO: 42751-79-1;25988-97-0;39660-17-8

## 3. HAZARDS IDENTIFICATION

The product contains no substances which at their given concentration are considered to be hazardous to health.

**Spills produce extremely slippery surfaces.**

## 4. FIRST AID MEASURES

Inhalation: Move to fresh air.  
Skin contact: Remove and water contaminated clothing and gloves including the inside before re-use. Wash off immediately with plenty of water.  
Eye contact: Rinse immediately with plenty of water for at least 15 minutes.  
Ingestion: Rinse mouth with plenty of water. Do not induce vomiting,, call a physician immediately.

## 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Water spray foam, carbon dioxide and sand  
Special fire-fighting precautions: Spills produce extremely slippery surfaces.  
Special protective equipment for firefighters: Chemical protection suit, suitable gloves and boots, and self-contained breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Keep people away from spill/leak.  
Environmental precautions: Do no contaminate water.  
Methods for cleaning up: Dam up. Soak up with inert absorbent material. If liquid  
has been spill in large quantities clean up promptly by scoop or vacuum. Keep in suitable and closed containers for disposal. After cleaning, flush away traces with water.

## 7. HANDLING AND STORAGE

Handling: Avoid contact with skin, eyes and clothing.  
Preparing: When



the working solution ensure there is adequate ventilation. Do not breath vapours or spray mist. When using do not smoke.

Storage:

Keep in a dry, cool place 10-30°C . Keep away from heat and sources of ignition. Freezing will affect the physical condition and may damage the material.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures to reduce exposure:

Ensure adequate ventilation. Use local exhaust if misting occurs. Natural ventilation is adequate in absence of mists.

Personal protection equipment

- Respiratory protection:

In case of insufficient ventilation wear suitable respiratory equipment.

- Hand protection:

PVC or other plastic material gloves.

- Eye protection:

Safety glasses with side-shields. Do not wear contact lenses.

- Skin and body protection: Chemical resistant apron or protective suits if splashing or repeated contact with solution is likely.

Hygiene measures:

Wash hands and face before breaks and immediately after handling the product. When using do not eat drink or smoke. Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form:

Colloid

Colour:

colorless or light yellow

PH:

5.0-7.0

Boiling point:

above 100°C

Water solubility:

Completely miscible

Dry Weight:

49-51% m/m

## 10. STABILITY AND REACTIVITY

Stability:

Product is stable, no hazardous polymerization will occur

Materials to avoid:

Oxidizing agents may cause exothermic reactions.

Hazardous decomposition products:

No decomposition if stored and applied as directed. Burning of the dried material can produce: Hydrogen chloride gas, nitrogen oxides, carbon oxides.



## 11. TOXICOLOGICAL INFORMATION

Acute toxicity:

-Oral:

The product is not expected to be toxic

-Inhalation:

The product is not expected to be toxic

Irritation

- Skin:

Prolonged skin contact may cause skin irritation.

- Eyes:

May cause eye irritation with susceptible persons.

Sensitization: No data available.

## 12. ECOLOGICAL INFORMATION

Environmental effects:

Low acute LC50 to fish, but not expected to cause long-term adverse effects to aquatic environment.

## 13. DISPOSAL CONSIDERATIONS

Waste from residues/unused:

Dispose of as special waste in compliance with local and national

Contaminated packaging:

Dispose of as special waste in compliances with local and national regulations.

## 14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

The transportation of this product is approved by International Maritime Association. IMO not regulated

## 15. REGULATORY INFORMATION

The product is not a hazardous article and need not to be labelled.

16. Notes: The information contained in this safety data sheet is given in good faith. It is accurate to the best of our knowledge and belief and represents the most up to date information. The information given in this data sheet does not constitute or replace the user's own assessment of workplace risk as required by other health and safety legislation.