

# Safety Data Sheet

## 1. IDENTIFICATION

### Anionic Polymer

**Use:** Flocculant  
**Company:** Chemical Research Products Industrial Sales Incorporated  
475 J.P Rizal St., Mahabang Parang, Sta. Maria, Bulacan 3022  
**Telephone No.:** (044) 703 6998  
**Website:** [www.chemicalresearchph.com](http://www.chemicalresearchph.com)

Emergency Information

Chemical Research Technical Tel. No.: (02) 687-6541

## 2. HAZARD(s) IDENTIFICATION

**GHS Classification:** Classification in accordance with paragraph (d) of 29 CFR 1910.1200.  
None needed according to classification criteria

**Label Element:** None needed according to classification criteria

**Signal Word:** None needed according to classification criteria

**Hazard Statement:** None needed according to classification criteria

### Precautionary Statements

- **Prevention:** Wash face, hands and any exposed skin thoroughly after handling.  
Keep only in original container.
- **Response:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, Get medical advice/attention.  
IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs, Get medical advice/attention.  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable breathing.

**- Storage:** None needed according to classification criteria

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Components**  
Anionic Polymer

### 4. FIRST-AID MEASURES

**Eyes:** Immediately flush eyes gently with warm water at least 15 minutes. Washing with in one minute is essential to achieve maximum effectiveness. Seek immediate medical attention.

**Skin:** Promptly wash with mild soap and water at least 15 minutes. Remove contaminated clothing and shoes. If skin irritation occurs; Get medical advice/attention.

**Swallowing:** Do NOT induce vomiting. Rinse mouth with water. Drink 1 or 2 glasses of water or milk. If symptoms persist, call a physician. Never give anything by mouth to an unconscious person. Get medical attention.

**Inhalation:** Remove patient to fresh air. Keep patient warm and at rest. Apply oxygen or artificial respiration if need. Call a physician.

### 5. FIRE-FIGHTING MEASURES

**Extinguishing Media:** Water spray, dry chemical, CO<sub>2</sub> or class B extinguishing agent.

**Special Exposure Hazard:** The product become very slippery underfoot when wet.

**Protective Equipment:** Wear full protective clothing and self-contained breathing apparatus exposed to vapors or products of combustion.

**Advice for Firefighters:** Product is a nonflammable. Avoid breathing mists or spray.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precaution:** Avoid contact with skin, eyes and clothing. Wear adequate personal protective clothing and equipment. Respiratory protection may be required if dust is created during clean-up operations.

**Environmental Precaution:** Avoid runoff into storm sewers and ditches which lead to waterways.

**Clean up Methods:** Product becomes slippery and difficult to handle when wet; spills are best handled while dry. Sweep up and collect dry product. Absorb wet product with vermiculite or other inert material then water wash area to waste treatment.

**Additional Information:** Dispose of solidified material in accordance with federal, state, local or other applicable laws and regulations.

## 7. HANDLING and STORAGE

**Handling:** Use good personal hygiene practice. Wash after handling; Wear chemical splash goggles, gloves, and protective clothing when handling; Avoid contact with eyes, skin and clothing.

**Storage:** Store in closed containers in a dry, ventilated area. Do not store near extreme heat, open flame, source of ignition, wet damp and humid storage condition. Do not store in unlined metal containers.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

**Personal Protection:** Avoid contact, wear gloves, safety boots, safety glasses and overalls

**Respiratory Protection:** NIOSH/MSHA approved respiratory protection equipment is recommended.

**Eye Protection:** Chemical splash goggles and face shield

**Skin Protection:** Wear resistance gloves and impervious clothing and boots.

**Other Personal Protection**

**Data:** Eyewash fountains and safety showers must be easily accessible.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL and CHEMICAL PROPERTIES

Appearance: White granular solid

Odor: Slight

pH (0.5% solution): 4.5 – 9.5

Specific Gravity: No data available

Vapor Pressure: No data available

Boiling Point: No data available

Freezing Point: No data available

Evaporation Rate: No data available

Solubility in Water: Dissolves in water to form a highly viscous solution

Viscosity: No data available

Relative Density: 0.7 – 0.8 g/cm<sup>3</sup>

## 10. STABILITY and REACTIVITY

<b>Conditions to Avoid:</b>	Avoid extreme temperatures, wet damp and humid storage condition.
<b>Materials to Avoid:</b>	Oxidizing agents may cause exothermic reactions.
<b>Hazardous Decomposition Products:</b>	No decomposition if stored and applied as directed. Thermal decomposition may produce Nitrogen Oxide (Nox) and Carbon Oxide (Cox).

## 11. TOXICOLOGICAL INFORMATION

<b>Acute Toxicity:</b>	Not listed as a carcinogen by IARC, NTP, OSHA or ACGIH. The OSHA 8-hour TWA for total dust is 15 mg/M3 (5 mg/M3 for the respirable fraction). The ACGIH TLV-TWA is 10 mg/m3.
<b>Irritancy and Corrosiveness:</b>	May be slightly irritating to skin and eyes on prolonged exposure. No evidence of corrosiveness.

## 12. ECOLOGICAL INFORMATION

### Ecological Information

The products are not classified as dangerous for the environment Test carried out on other anionic polyacrylamides showed:

Effects on fish: 96 hours  $LC_{50} > 300$  mg/L  
Effects on Daphnia: 48 hours  $EC_{50} > 200$  mg/L  
Effects on Algae: 72 hours  $EC_{50} > 1000$  mg/L  
Biodegradability: Not expected to be readily biodegradable

## 13. DISPOSAL CONSIDERATION

<b>Disposal of wastes:</b>	Do not put solutions containing this product into sewer systems. Dispose of product in an approved chemical waste landfill or incinerate in accordance with applicable Federal, state and local regulation. Do not re-use empty containers.
<b>Contaminated Packaging:</b>	Since empty containers retain product residue, follow label warnings even after container is emptied.

## 14. TRANSPORT INFORMATION

Land Transport (ADR / RID)

No classification assigned.

Sea Transport (IMDG)

No classification assigned.

Air Transport (IATA)

No classification assigned.

## 15. REGULATORY INFORMATION

### U.S. Federal Regulations

None of this product's components are listed under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

All components are on the U.S. EPA TSCA Inventory List. Supplier(s) of proprietary component(s) have stated that their components appear on the Canadian DSL/NDSL.

### U.S. State Regulations

None of this product's components are listed on the state lists from CA, MA, MN, NJ or PA

### Not listed under California Proposition 65

Canada Regulations This product is not WHMIS controlled.

### Classification and Labelling

This product is not classified as dangerous and need not be labelled according to EC-Derivatives as amended.

### National Inventory

Philippines (PICCS):

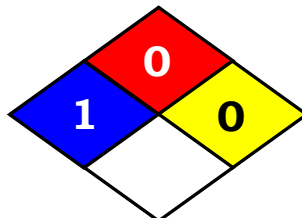
All components of this product are either listed on the inventory or are exempt from listing.

**16. OTHER INFORMATION**

**HMIS**

<b>HEALTH</b>	<b>1</b>
<b>FLAMMABILITY</b>	<b>0</b>
<b>REACTIVITY</b>	<b>0</b>
<b>PERSONAL PROTECTION</b>	<b>E</b>

**NFPA**



**HMIS Rating**

Health: 1 Fire: 0 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe \* = Chronic hazard

**NFPA Ratings**

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Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product. Employers should use this information only as a supplement to other information gathered by them and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees.