



Section 1. Product and Company Identification

Product Name Polyacrylamide

Parchem - fine & specialty chemicals

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EMERGENCY RESPONSE NUMBER

CHEMTEL

Toll Free US & Canada: 1 (800) 255-3924

All other Origins: 1 (813) 248-0585

Collect Calls Accepted

Section 2. Hazards Identification

Classification of the substance or mixture

Classification according to paragraph (d) of Regulation 29 CFR 1910.1200: Not classified

GHS Label Elements

Pictograms: N/A

Signal word: N/A

Hazard and precautionary statements

None

Other Hazards: Spills produce extremely slippery surfaces.

Section 3. Composition / Information on Ingredients

Common Name Polyacrylamide

Section 4. First Aid Measures

Description of first-aid measures

Inhalation: Move to fresh air. No Hazards which require special first aid measures.

Skin contact: Wash off with plenty of water. Get medical attention if irritation develops and persists.

Eye contact: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Ingestion: If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. Get medical attention.

Most important symptoms and effects, both acute and delayed: None under normal use.

Indications of any immediate medical attention and special treatment needed: None reasonably foreseeable.



Other information: Aqueous solutions or powders that become wet render surfaces extremely slippery.

Section 5. Firefighting Measures

Extinguishing media

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry powder, carbon dioxide.

Unsuitable extinguishing media: None.

Special hazards arising from the substance or mixture

Hazardous decomposition products: Thermal decomposition may produce: Nitrogen oxides (NO_x), carbon oxides (CO_x). Hydrogen cyanide (hydrocyanic acid) may be produced in the event of combustion in an oxygen deficient atmosphere.

Advice for firefighter.

Protective measures: In the event of fire, wear self-contained breathing apparatus.

Other information: Aqueous solutions or powders that become wet render surfaces extremely slippery.

Section 6. Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures

Personal precautions: Aqueous solutions or powders that become wet render surfaces extremely slippery.

Protective equipment: Wear adequate personal protective equipment (see Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION).

Emergency procedures: Keep people away from spill/leak.

Environmental Precautions: As with all chemical products, DO NOT flush into surface water.

Method and materials for containment and cleaning up

Small Spills: DO NOT flush with water. Clean up promptly by scoop or vacuum. Keep in suitable, closed containers for disposal. After cleaning, flush away traces with water.

Large Spills: DO NOT flush with water. Clean up promptly by scoop or vacuum. Keep in suitable, closed containers for disposal. After cleaning, flush away traces with water.

Residues: Flush away traces with water.

Reference to other sections

Section 7: Handling and Storage

Section 8: Exposure Controls/Personal Protection

Section 13: Disposal Considerations

Section 7. Handling and Storage

Precautions for safe handling: Aqueous solutions or powders that become wet render surfaces extremely slippery.

Conditions for safe storage: Keep in a dry place. Keep container closed when not in use. Incompatible with oxidizing agents.

Section 8. Exposure Controls / Personal Protection

Control parameters

Occupational exposure limits: None

Exposure controls

Appropriate engineering controls: Use local exhaust if dusting occurs. Natural ventilation is adequate in absence of dusts.

Individual protection measures, such as personal protective equipment

Eye/face protection: Safety glasses with side-shields

Skin protection: Chemical-resistant apron or protective suit if splashing or repeated contact is likely.

Hand protection: PVC or other plastic material gloves.

Respiratory protection: No personal respiratory protective equipment normally required. Dust safety masks recommended where working powder concentration is more than 10 mg/m³.

Additional advice: Handle in accordance with good industrial hygiene and safety practices.

Environmental exposure controls: DO NOT allow uncontrolled discharge of product into the environment. DO NOT flush into surface water.

Section 9. Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance: Granular solid, white

Odor: None

Odor threshold: Not applicable

pH (5 g/L): 5 - 9

Melting point/range: > 150°C

Initial boiling point and boiling range: Not applicable

Flash point: Not applicable

Evaporation rate: Not applicable

Flammability (solid, gas): No data available

Upper/lower flammable or explosive limits: Not expected to create explosive atmospheres

Vapor pressure: Not applicable

Vapor density: Not applicable
Relative density: 0.6 - 0.9
Solubility(ies): Soluble in water
Partition coefficient: - 2
Auto-ignition temperature: does not self-ignite (based on the chemical structure)
Decomposition temperature: > 150°C
Viscosity: See Technical Bulletin
Explosive properties: Kst = 0
Non-flammable to ignition sources of less than 2.5kJ
Oxidizing properties: not expected to be oxidizing based on the chemical structure

Other information: None

Section 10. Stability and Reactivity

Reactivity: None known.
Chemical stability: Stable under normal conditions.
Possibility of hazardous reactions: Oxidizing agents may cause exothermic reaction.
Conditions to avoid: None known.
Incompatible materials: Incompatible with oxidizing agents.

Hazardous decomposition products

Thermal decomposition may produce: Nitrogen oxides (NO_x), carbon oxides (CO_x), hydrogen cyanide (hydrocyanic acid)

Section 11. Toxicological Information

Information on toxicological effects

Acute oral toxicity - LD50/oral/rat: > 5000 mg/kg
Acute dermal toxicity - LD50/dermal/rat: > 5000 mg/kg
Acute inhalation toxicity: The product is not expected to be toxic by inhalation.
Skin corrosion/irritation: Not irritating.
Serious eye damage/eye irritation: Not irritating.
Respiratory/skin sensitization: Not sensitizing.
Mutagenicity: Not mutagenic.
Carcinogenicity: Not carcinogenic.
Reproduction toxicity: Not toxic for reproduction.
STOT - single exposure: No known effects.
STOT - repeated exposure: No known effects.
Aspiration hazard: No hazard resulting from the material as supplied.

Section 12. Ecological Information

Toxicity

Acute toxicity to fish: LC50 / Danio rerio / 96 hours > 100 mg / L (OECD 203)

LC50 / Fathead minnow / 96 hours > 100 mg / L (OECD 203)

Acute toxicity to invertebrates: EC50 / Daphnia / 48 hours > 100 mg / L (OECD 202)

Acute toxicity to algae: IC50 / Scenedesmus subspicatus / 72 hours > 100 mg / L (OECD 201)

Chronic toxicity to fish: No data available.

Chronic toxicity to invertebrates: No data available.

Chronic toxicity to algae: No data available.

Effects on terrestrial organisms: No known effects.

Sediment toxicity: No data available.

Persistence and degradability

Degradation: Not readily biodegradable.

Hydrolysis: Does not hydrolyze.

Photolysis: No data available.

Bioaccumulation potential: This product is not expected to bioaccumulate.

Partition coefficient (Log Pow): - 2

Bioconcentration factor (BCF): ~ 0

Mobility in soil: None.

Other adverse effects: None known.

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

Land transport (DOT): Not classified.

Sea transport (IMDG): Not classified.

Air transport (IATA): Not classified.

Section 15. Regulatory Information

Safety, health, and environmental regulations/legislation specific for the substance or mixture

TSCA Chemical Substances Inventory: All components of this product are either listed on the inventory or are exempt from listing.



US SARA Reporting Requirements

SARA (Section 311 / 312) Hazard Class: Not concerned.

RCRA Status: Not RCRA hazardous.

California Proposition 65 Information: WARNING! This product contains a chemical known to the state of California to cause birth defects or other reproductive harm, Acrylamide.

NFPA Rating

Health: 0

Flammability: 0

Reactivity: 0

HMIS Rating

Health: 0

Flammability: 0

Reactivity: 0

Personal Protection: B

Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

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