

HarChem

H₂O

Water Services

PO Box 310, Muldrow, OK 74948

SAFETY DATA SHEET

HP-840M

SECTION 1: IDENTIFICATION

CATIONIC POLYACRYLAMIDE EMULSIONS

MANUFACTURER/ DISTRIBUTOR

HarChem Water Services

P.O. Box 310

Muldrow, OK 74948

Emergency Telephone Number:

479-806-0266

24 hours everyday

918-427-0777

SECTION 2: HAZARD IDENTIFICATION

HEALTH (NFPA): 1 FLAMABILITY (NFPA): 1 REACTIVITY(NFPA): 0

CAS No: N/A

Identification of the preparation: Cationic water-soluble polymer in emulsion.

SECTION 3: FIRST AID MEASURES

4.1 Inhalation

Move to fresh air.

4.2 Eye Contact

Immediately flush eyes with water for at least 15 minutes, while holding eyelids apart to ensure flushing of entire surface. Get immediate medical attention.

4.3 Skin Contact

Wash off immediately with soap and plenty of water. In case of persistent skin irritation, consult a physician.

4.4 Ingestion

The product is not considered toxic based on studies on laboratory animals.

SECTION 4: FIRE-FIGHTING MEASURES

Suitable extinguishing media: Water, water spray, foam, carbon dioxide (CO₂). Dry powder

Special fire fighting precautions: Spills produce extremely slippery surfaces

Protective equipment for firefighters: No special protective equipment required.

SECTION 5: ACCIDENTAL RELEASE MEASURES

Personal Precautions: No special precautions required.

Environmental Precautions: Do not contaminate water.

Methods for cleaning up: Do not flush with water. Dam up. Soak up with inert absorbent material. If liquid has been spilled 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.

SECTION 6: HANDLING AND STORAGE

Handling: Avoid contact with skin and eyes. When preparing the working solution ensure there is adequate ventilation. When using do not smoke.

Storage: Keep in a dry cool place (0 -30° C). Keep away from heat and sources of ignition. Freezing will affect the physical condition and may damage the material.

SECTION 7. EXPOSURE CONTROLS / PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:

EYES: Safety glasses with side shields. Do not wear contact lenses.

SKIN: Chemical resistant apron or protective suit if splashing or contact with solution is likely. Rubber gloves.

INHALATION: In case of insufficient ventilation wear suitable respiratory equipment.

SECTION 8. PHYSICAL AND CHEMICAL PROPERTIES

Form: viscous liquid

Color: milky

Odor: aliphatic

pH: 4-7 @ 5 g/l for product series.

Flash point (°C) : Does not flash

Autoignition temperature (°C): Does not ignite

Vapour pressure (mm Hg): 0.13 @ 20°C

SECTION 9. STABILITY AND REACTIVITY

STABILITY: STABLE. No hazardous polymerization will occur.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce: hydrogen chloride gas, nitrogen oxides (NOx) carbon oxides

SECTION 10. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral: LD50/oral/rat>5000 mg/kg

Dermal: The results of testing on rabbits showed this material to be non toxic even at high dose levels.

Inhalation: The product is not expected to be toxic by inhalation.

Irritation

Skin: May cause skin irritation with susceptible persons

Eyes: May cause eye irritation with susceptible persons.

SECTION 11. ECOLOGICAL INFORMATION

Environmental Fate: No information found

Environmental Toxicity: The effects of this product on aquatic organisms are rapidly and significantly mitigated by the presence of dissolved organic carbon in the aquatic environment.

Fish- LC50/Danio rerio/96 hr>10-100 mg/L (OECD 203) (based on the toxicity of the components using the conventional method.)

Algae: Algal inhibition tests are not appropriate. The flocculating characteristics of the product interfere directly in the test medium preventing homogenous distribution which invalidates the test.

Daphnia: EC50/Daphnia magna/48 hr> 50 mg/L (OECD 202) (Based on the toxicity of the components using the conventional method)

Environmental fate: The product is rapidly eliminated from the aquatic medium through irreversible absorption onto suspended matter and dissolved organics.

Bioaccumulation: Does not bioaccumulate.

Persistence/ degradability: Not readily biodegradable.

SECTION 12. DISPOSAL CONSIDERATIONS

In accordance with federal, state, and local regulations.

SECTION 13: TRANSPORT INFORMATION

Not regulated by DOT.

SECTION 14: REGULATORY INFORMATION

All components of this product are on the TSCA and DSL inventories.

RCRA: Not a hazardous waste.

Hazardous Waste Number: N/A

Reportable quantity: N/A

Section 15: OTHER INFORMATION

Contact: HarChem Water Services

(918) 427-0777

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