

SAFETY DATA SHEET

PRINT DATE: 05/01/2019

1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY



Supplier:

PAM

Carolina Hydrologic, LLC

P.O. Box 3073

Hilton Head, SC 29928

843-906-4603

Product Use: **Processing aid for industrial applications.**

2. COMPOSITION/INFORMATION ON INGREDIENTS

Identification of the preparation: Anionic polyacrylamide.

Regulated Components

None

3. HAZARDS IDENTIFICATION

Appearance and Odor

Form: Granular solid

Color: White

Odor: None

Emergency Overview

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

4. FIRST AID MEASURES

Inhalation: No hazards which require special first aid measures

Skin contact: Wash with water and soap as a precaution. In case of persistent skin irritation, consult a physician.

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Eye contact: Rinse thoroughly with plenty of water, also under the eyelids. In case of persistent eye irritation, consult a physician.

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

5. FIRE-FIGHTING MEASURES

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

Unsuitable extinguishing media: None.

Fire extinguishing agents to avoid: None.

Special fire-fighting precautions: The product when wet renders surfaces extremely slippery. The product swells in water.

Protective equipment for firefighters: No special protective measures against fire required.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: No special precautions required.

Environmental precautions: As with all chemical products, do not flush into surface water.

Methods for cleaning up: Do not flush with water. 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 and eyes. Avoid dust formation. Do not breathe dust. Wash hands before breaks and at the end of workday.

Storage: Keep in a dry, cool place (0-35°C).

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

Personal protection equipment

- Respiratory protection: Dust safety masks are recommended where concentration of total dust is more than 10 mg/m³.

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- Hand protection: Gloves are recommended
 - Eye protection: Safety glasses with side-shields. Do not wear contact lenses.
 - Skin protection: No special protective clothing is generally required. However, apron or other protection is appropriate in the event of splashing or repeated contact.
- Hygiene measures: Wash hands before breaks and at the end of workday. Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Form: Granular solid
- Color: White
- Odor: None
- Melting point (°F): not applicable
- Flash point (°F): not applicable
- Auto ignition temperature (°F): not applicable
- Vapor pressure (mm Hg): not applicable
- Bulk density: 0:80
- Water solubility: Completely miscible
- LogPow: ~0

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: Thermal decomposition may produce nitrogen oxide and carbon oxides.
- Thermal decomposition may produce: Nitrogen oxides (NO_x) and carbon oxides (CO_x).

11. TOXICOLOGICAL INFORMATION

Acute toxicity

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- Oral: Not toxic: LD50/oral/rat > 5000 mg/kg
- Dermal: The results of testing on rabbits showed this material to be non-toxic even at high dose level.
- Inhalation: The product is not expected to be toxic by inhalation.

Irritation

- Skin: Not irritating
- Eyes: Irritation can occur similar to exposure to all granular material.

Sensitization: Not sensitizing.

12. ECOLOGICAL INFORMATION

Ecotoxicity:

- Hydrolysis: Does not hydrolyze
- **Fish:** Aquatic toxicity is unlikely due to low solubility
- **Algae:** Aquatic toxicity is unlikely due to low solubility
- **Daphnia:** Aquatic toxicity is unlikely due to low solubility

Bioaccumulation: Does not bioaccumulate.

Persistence / degradability: Not readily biodegradable.

Chronic toxicity: None known.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products:

In accordance with federal, state and local regulations.

Contaminated packaging:

Can be land filled or incinerated when in compliance with local, state and federal regulations.

14. TRANSPORT INFORMATION

Not regulated by DOT / IATA / IMO

15. REGULATORY INFORMATION

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

WHMIS (CANADA): not regulated

RCRA status: Not a hazardous waste.

Hazardous waste number: Not applicable

Reportable quantity (40 CFR 302): Not applicable

Threshold planning quantity (40 CFR 355): Not applicable

HMIS & NFPA Ratings HMIS: NFPA

Health: 1:1

Flammability: 1:1

Reactivity: 0:0

Personal Protection/Special: B

16. OTHER INFORMATION

Person to contact: Robert Marsac – Carolina Hydrologic 843-906-4603

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release, and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text.





NON-TOXIC SOIL BINDING AGENT

ANIONIC LINEAR POLYACRYLAMIDE (GRANULAR)

10# CONTRACTOR PAILS & 55# CONTRACTOR BAGS AVAILABLE

Blanket Application: (Soft Armoring)

Rate: 10# - 25# of H30 PAM per acre based on job site conditions

Spread H30 PAM evenly over the area you want to treat. After spread staple in blanket of choice.

1 Acre = 48 Blankets

10# per acre = 3.5oz/blanket

15# per acre = 5oz/blanket

20# per acre = 6.5oz/blanket

25# per acre = 8.5oz/blanket

Demucking Application: (Muck/Mud Thickening)

Rate: 55# of H30 PAM to 100 – 200 cubic yards of sediment

Spread H30 PAM evenly over the area you want to treat. (not in one place)

Mechanically agitate with bucket of your equipment to a depth of 3' for 15 – 20 minutes.

If sediment is deeper than 3' repeat the process in 3' layers.

Hydroseeding/Hydromulching Application: (Tackifier/Sediment Control)

Rate: 10# to 3000 gallons (base rate...can increase depending on job site conditions)

Wattle Application: (Sediment Control)

6 oz/wattle - 146 wattles per 55# Bag (NCDOT Spec)

(ALL PRODUCTS CERTIFIED PURSUANT TO USEPA FRESH WATER TOXICITY TESTING PROTOCOL – EPA 821-R-02-012)