

Safety Data Sheet

Polyacrylamide, Cationic

SECTION 1 – PRODUCT AND SUPPLIER IDENTIFICATION

Product: Polyacrylamide, Cationic
Supplier: SingleTrack Solutions Corp
Address: 4838 Richard Road SW, Calgary, Alberta, Canada T3E 6L1
Office: 1-587-353-4119

Product detail

Product Name : Cationic Polyacrylamide
 Synonyms : CPAM
 CAS No.: N/A

SECTION 2 – HAZARD(S) IDENTIFICATION

Hazards Identification:

According to GHS

Physical hazards: Not classified.
Health hazards: Not classified.
Environmental hazards: Not classified.

Emergency Overview:

Based on the information and data available to us, we do not currently possess knowledge of any health or environmental hazards associated with this product.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Product Name: Polyacrylamide, cationic

Ingredient	Concentration	CAS No.	EC No.
Polyacrylamide	≥ 88%	9003-05-8	/
Water	≤ 12%	7732-18-6	231-791-2

SECTION 4 – FIRST-AID MEASURES

Skin Exposure: If contact occurs, promptly cleanse the skin with soap and a generous amount of water. Should irritation persist, seek medical advice from a physician.

Eye Exposure: If there is eye contact, rinse thoroughly with an abundant supply of water for a minimum of 15 minutes. Ensure effective flushing by gently separating the eyelids with your fingers. Should irritation persist, it is advisable to consult a physician.

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Inhalation Exposure: If inhalation occurs, relocate to an area with fresh air. If needed, seek medical assistance.

Oral Exposure: If ingested, promptly rinse the mouth with water, ensuring the individual is conscious. Seek medical advice by contacting a physician.

SECTION 5 – FIRE-FIGHTING MEASURES

Extinguishing Media: Appropriate options for use include water spray, dry chemical, carbon dioxide, or the suitable foam.

Firefighting: Protective Equipment: Utilize self-contained breathing apparatus and protective attire to shield against skin and eye contact. When fighting fires, approach from the upwind direction. Individuals not involved in firefighting activities should evacuate to a secure location.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Procedure of Personal Precaution: Wear personal protective gear. Maintain a safe distance from the spill/leak and position individuals upwind. Ensure proper ventilation is in place and take precautions to avoid inhaling dust. Control access to the affected area for non-essential personnel, for instance, by cordoning it off.

Methods for Cleaning Up: Use a spade to gather the material and transfer it to a dry, clean container with a secure lid for proper disposal. Take care to minimize the generation of dust. Once the material pickup is finished, ensure the area is adequately ventilated, and clean the spill site.

Environmental Protections: Prevent the product from entering drainage systems.

SECTION 7 – HANDLING AND STORAGE

Handling: Utilize suitable protective attire and safety gloves. Prevent inhalation, eye, skin, and clothing contact. Minimize the generation of dust. Ensure mechanical ventilation is in operation. Keep the product away from sources of ignition, heat, and open flames. Avoid contact with strong oxidizing agents. Thoroughly wash hands and face after handling. Smoking is prohibited at the work site.

Storage: Store the product in a cool location, ensuring the container is securely sealed in a dry and well-ventilated environment. Keep it away from sources of ignition, heat, and open flames. Avoid contact with strong oxidizing agents, as it is hygroscopic.

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SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Mechanical exhaust required. Safety shower and eye bath.

Personal Protective Equipment:

Respiratory: Government approved respirator if needed.
Eye: Chemical safety goggles If needed.
Clothing: Wear appropriate protective clothing.
Hand: Protective gloves.
Other: No smoking, drinking, and eating at work site. Wash thoroughly after handling.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White granule
Odour: Weak odour
Melting Point (°C): > 300°C decomposition
Solubility: Upon exposure to water, a curing process is initiated.

SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable under normal temperatures and pressures.
Materials to Avoid: Strong oxidizing agents.
Hazardous Polymerization: Will not occur.
Hazardous Decomposition Products: Carbon oxides, nitrogen oxides (NOx)

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute Toxicity: Polyacrylamide: Rate Oral LD₅₀: > 1000mg/kg
Skin Corrosion / Irritation: No data available.
Serious Eye Damage / Irritation: No data available.

SECTION 12 – ECOLOGICAL INFORMATION

Toxicity: No data available.
Persistence and Degradability: No data available.
Bio accumulative Potential: No data available.
Mobility in Soil: No data available.

SECTION 13 – DISPOSAL CONSIDERATIONS

Appropriate Method of Disposal of Substance:

Arrange for a licensed professional waste disposal service to handle the disposal of this substance. You may also dissolve or blend the material with a flammable solvent and incinerate it in a chemical incinerator equipped with an afterburner and scrubber system. Ensure compliance with all applicable federal, state, and local environmental regulations.

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SECTION 14 – TRANSPORTATION INFORMATION

RID/ADR: The substance is not subject to RID/ADR.
IATA: The substance is not subject to IATA DGR.
IMO: The substance is not subject to IMO IMDG.

SECTION 15 – REGULATORY INFORMATION

Canadian Regulations: This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no) *
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product are listed on the inventory administered by the governing country(s) or are exempt.
 A "No" indicates that one or more components of the product are not listed on the inventory administered by the governing country(s)

SECTION 16 – OTHER INFORMATION

SingleTrack Solutions provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

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