

Safety Data Sheet

Acrylic Acid Polymer PA-565

SECTION 1 – PRODUCT AND SUPPLIER IDENTIFICATION

Product: Acrylic Acid Polymer PA-565
Supplier: SingleTrack Solutions Corp
Address: 4838 Richard Road SW, Calgary, Alberta, Canada T3E 6L1
Office: 1-587-353-4119
Emergency (24hr): 1-888-226-8832 (CANUTEC)

Product detail

Product Name : Acrylic Acid Polymer PA-565
 Synonyms: N/A
 CAS No.: 79-10-7, 9003-05-8, 7732-18-5

SECTION 2 – HAZARD(S) IDENTIFICATION

Fatalness grade: According to regulations GB12268-2012, not fatal
Invasion route: Skin contact, eye contact, inhalation, ingestion
Health hazards: Handling of the operating process may produce dust in the eyes, respiratory tract, and skin irritation.
Environment hazards: No known significant effects of critical hazards.
Burn & burst danger: This product does not belong to flammable dangerous goods.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Polymer

Chemical Name	Content, %	CAS No.	EC No.
Acrylic Acid	80	79-10-7	201-177-9
Poly(acrylamide)	10	9003-05-8	---
Water	10	7732-18-5	231-791-2

SECTION 4 – FIRST-AID MEASURES

Inhalation: Move from the scene to fresh air immediately. Keep airway patency. If breathing is difficult, give oxygen. If breathing stops, get medical aid.
Skin Contact: If irritation occurs, wash with soap and water affected areas. If the irritation is generated and sustained, seek medical attention.
Eye Contact: Immediately rinse eyes with water or saline wash for at least 15 minutes. Get medical aid.
Ingestion: Drink plenty of water. Get medical aid.

SECTION 5 – FIRE-FIGHTING MEASURES

Danger characteristic:

This product does not belong to flammable dangerous goods:

Hazardous combustion products:

CO, CO₂, and smoking.

Fire-fighting method & media:

Firefighters must wear filter respirators or isolated respirators, wear fire protective body suits. If possible, move containers from the scene. Spray cooling containers to keep the fire contained.

Media: foam, dry power, carbon dioxide.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Isolate areas affected by leakage pollution and restrict access. Eliminate all sources of fire. Emergency responders should wear dust masks. Gather the pollutants and securely transfer them to a safe location using bags. In case of significant leaks, cover the area with plastic sheets or canvas. Collect the pollutants for either recycling or disposal at designated waste disposal sites.

SECTION 7 – HANDLING AND STORAGE

Handling:

Ensure proper ventilation. Operators must receive specialized training and strictly follow safety protocols. They should wear masks, overalls, and gloves. Maintain a safe distance from fire and heat sources and prohibit smoking in the workplace. Minimize dust generation. Utilize explosion-proof ventilation systems and equipment. Avoid contact with oxidizing agents and strong acids. Equip the area with suitable firefighting and emergency equipment, corresponding to the variety and volume of potential leakages.

Storage:

Store in a cool, ventilated warehouse, stored separately from oxidizing agents and acids.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Maximum admissible concentration:

not established.

Monitoring methods:

none

Engineering controls:

Prohibit open flames, sparks, and smoking. Operate in a closed system with explosion-proof electrical components, ventilation, lighting, and operating systems. It is advisable to use local exhaust ventilation as this method effectively controls pollution at its source.

Respiratory protection:

Wear self-absorption filter mask.

Eye protection:

Wear protective goggles.

Body protection:

Wear working clothes.

Hand protection:

Wear work gloves.

Other protection:

No smoking, dining, and drinking water in the workplace.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White or light-yellow particles.

Melting point: Above 350°C

Boiling point: No data

Acid: No data

pH: 5.4 (25°C, 50.0g/L)

Solubility: Soluble in water

SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable

Conditions to avoid: Strong oxidizing agents, fire, heat.

Hazardous polymerization: None

Decomposition products: Under normal use, no harmful substances. In a fire, may produce carbon oxygen compounds, hydrocarbons, such as smoke.

SECTION 11 – TOXICOLOGICAL INFORMATION

Irritation: May stimulate the eyes, respiratory systems, and skin.

Acute oral toxicity: Oral LD50 (rat) >1000mg/kg, Oral LD50 (mouse) 12950mg/kg

Mutagenicity: None.

Sensitization: None.

Carcinogenicity: None.

SECTION 12 – ECOLOGICAL INFORMATION

Eco toxicity: No known significant effects or critical hazards

Biodegradable: N/A

Non-biodegradable: N/A

Other harmful effects: No known significant effects or critical hazards

SECTION 13 – DISPOSAL CONSIDERATIONS

Disposal of the former should refer to the relevant national and local laws and regulations. Should avoid or as much as possible to reduce waste generation.

SECTION 14 – TRANSPORTATION INFORMATION

Dangerous goods number: N/A
UN number: N/A
Packing mark: N/A
Packing method: With three layers of compound kraft paper bags, lined with plastic bags for packaging.

Transport attention:

Transport before the inspection of packaging container is complete, seal the transport process to ensure that the container does not leak, does not collapse, and does not fall. No damage to the packaging. It is strictly prohibited to mix oxidants, acids, and other mixed transport. Transport vehicles must be thoroughly cleaned and disinfected. During transport, prevent insulation, rain, high temperatures.

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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