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Polyelectrolyte – ANIONIC	MATERIAL SAFETY DATA SHEET SDS/MSDS

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name : Polyelectrolyte – ANIONIC

Product code : 193238

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Industrial & for professional use only.

1.3 Details of the supplier of the safety data sheet

Company : Central Drug House (P) Ltd
7/28 Vardaan House
Ansari Road Daryaganj
New Delhi -110002
INDIA

Telephone : +91 11 49404040
Email : care@cdhfinechemical.com

1.4 Emergency telephone number

Emergency Phone # : +91 11 49404040 (9:00am - 6:00 pm) [Office hours]

SECTION 2 Composition / Information on Ingredients

Chemical Description: 2-Propenoic acid, sodium salt polymer with 2-propenamide
Hazardous Ingredients: No Hazardous ingredients

SECTION 3 Hazard Identification

Human Health Hazards : None

Inhalation : Nuisance dusts of this product may cause irritation of the nose, throat and respiratory tract

Eye Contact : Dust may cause burning, itching resulting in reddening of the eyes.

Skin Contact : Exposure to the dust may aggravate existing skin conditions due to drying effect.

Ingestion : As in any instance of non-food consumption, seek medical attention in the event of any adverse symptoms.

Emergency overview : This material is white, granular, odourless polymer that yields very viscous gel in contact with water and causes very slippery conditions when wet.

SECTION 4 First Aid Measures

Inhalation	**:** If inhaled, move to source of fresh air. Seek medical attention if Symptoms persist.
Eye Contact	**:** Immediately flush eyes with plenty of water for at least 15 minutes.
Skin Contact	**:** Remove dust with plenty of soap and water.
Ingestion	**:** If ingestion of large amount does occur, seek medical advice.

SECTION 5 Fire Fighting Measures

General Fire Hazards	: Dust may form an explosive mixture in air.
Upper Flammable limit	: None Established
Lower Flammable Limit	: None Established
Flash Point	**:** None
Flammability classification	: None
Extinguishing media	**:** Use water spray or fog, carbon dioxide or dry chemical

Fire fighting Equipment/Instructions: Fire fighters should wear full protective clothing including self-contained breathing apparatus.

SECTION 5 Accidental Release Measures

Personal Precautions: Spills are very slippery when wet. Avoid contact with skin and eyes.

Methods of cleaning up: Slippery when wet. Sweep up into containers for disposal. Flush spill area with water. If slipperiness remains apply more dry-sweeping compound. Prevent liquid entering sewers.

SECTION 7 Handling and storage

Handling Procedures: Handle as an eye and respiratory tract irritant, minimize dust

Storage conditions: Store in a dry closed container

SECTION 8 Exposure controls / Personal Protection

Occupational Exposure Limits	**:** No values have been established
Engineering Measures	**:** Engineering controls are not usually necessary if good hygiene practices are followed.
Respiratory Protection	**:** None recommended.
Hand Protection	**:** Wear impermeable gloves.
Skin Protection	**:** Standard protective clothing
Eye Protection	**:** Wear eye/ face protection.
Hygiene Recommendation	**:** Before eating and drinking, wash hands and face thoroughly with soap and water.

SECTION 9 Physical and Chemical Properties

Appearance	**:** White granular powder
Odour	**:** None
Physical State	: Solid
PH	: 6.5 ~ 7.5 (1 g/liter in water)
Vapour Pressure	: Not applicable
Boiling Point	: Not Established
Melting Point	: Not applicable
Solubility	: Soluble in water limited by viscosity
Bulk Density	: 0.6 to 0.8
Auto ignition temp.	: Not available
Decomposition Temp.	: Not available

SECTION 10 Chemical Stability & Reactivity Information

Stability	**:** Stable
Conditions to avoid	: None
Materials to avoid	: Strong oxidizing agents
Hazardous decomposition products	**:** Carbon monoxide, carbon dioxide, ammonia, oxides of nitrogen
Hazardous Polymerisation	: Will not occur

SECTION 11 Toxicological Information

This product is not regulated as a hazardous material.

Acute Toxicity – LD50/LC50

Oral LD50 (rat)	: Not Applicable > 5000 mg/kg (actual)
Dermal LD50 (rabbit)	: Not Applicable > 1000 mg/kg (actual)
Inhalation LC50 (4 hour rat)	: Not Applicable > 20 mg/L (estimated)
Skin irritation (rabbit)	: Not irritating
Eye Irritation (rabbit)	: Not irritating
Dermal sensitization	: Not sensitizing
Inhalation sensitization	: Not sensitizing

Potential Health Effects : None

SECTION 12 Ecological Information

Fish Toxicity **:** LC50~3600 mg/l.

Component Analysis – Ecotoxicity – Aquatic Toxicity: No information available

Environmental fate: Polyacrylamides are relatively inert in aerobic and anaerobic conditions. They are immobile in land fills and soil systems, with the mobile fraction showing biodegradability. They are also compatible with incineration of municipal solid waste. Incidental down the drain disposal of small quantities of this product will not affect the performance of waste water treatment systems.

SECTION 13 Disposal Considerations

- This product is non-hazardous waste material suitable for approved solid waste landfills.
- No EPA Waste Numbers are applicable for this product's components.
- Dispose of in accordance with Local, State and ederal regulations

SECTION 14 Transportation Information

International Transportation Regulations: This product is not transport regulated.

SECTION 15 Regulatory Information

A. General Product Information

This product is not federally regulated as a hazardous material.

B. Clean Air Act

No information is available.

C. Component Analysis

No information is available

State Regulations

This product is not regulated by any state as hazardous material.

Component Analysis - Inventory
Component CAS # TSCA CANS EEC

2-Propenoic Acid, sodium salt, polymer with
2-Propenamide 31212-13-2 Yes DSL Not
Regulated as a polymer

SECTION 16 OTHER INFORMATION

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. Central Drug House (P) Ltd and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.cdhfinechemical.com for additional terms and conditions of sale