

SAFETY DATA SHEET

This SDS Complies With 29 CFR 1910.1200 (The Hazard Communication Standard)

Section I - Product & Company Identification

Product identifier

Product name: SETTLING AGENT CONCENTRATE

Product form: Liquid

Other means of identification: #68791 (4-1 Gal.), #68795 (5-Gal.), #687930 (30-Gal.), #687955 (55-Gal.)

Relevant identified uses of the substance or mixture: Cationic polymer flocculent

Details of the supplier of the safety data sheet

Distributor:

Enviro-Health Corp. , 1608 SW MacVicar, Ave Topeka, KS 66604

Phone: 800-314-3862

Emergency telephone number

Emergency number: 1-800-424-9300 (CHEMTREC)

Section II – Hazards Identification

Classification

Not classified. This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Pictogram: None

Signal Word: No signal word

Hazard Statements

No known significant effects or critical hazards.

Precautionary Statements

Avoid ingestion, inhalation, skin and eye contact. Handle in accordance with good industrial hygiene practice and legal requirements.

Section III –Composition/Information on ingredients

Mixture

Name	CAS NO.	%
Polyammonium chloride	Proprietary	5-10

Any concentration shown as a range is to protect confidentiality or is due to process variation.

Section IV – First Aid Measures

First Aid Measures

Inhalation: Remove to fresh air. If breathing stops, provide artificial respiration. If symptoms persist, call a physician.

Eye Contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists.

Ingestion: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin Contact: Remove contaminated clothing, wash with plenty of water. If skin irritation persists, call a physician.

Most Important Symptoms and Effects, both Acute and Delayed Symptoms

No known significant effects or critical hazards.

Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians: Treat symptomatically.

Section V – Fire Fighting Measures

Suitable Extinguishing Media

Alcohol resistant foam, dry chemical or carbon dioxide for fire in area.

Unsuitable Extinguishing Media: High volume water jet. May spread fire.

Specific Hazards Arising from the Chemical

During fire, gases hazardous to health may be formed.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, NIOSH approved and full protective gear.

Section VI –Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions Use personal protective equipment as required. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

Methods and Material for Containment and Cleaning Up

Methods for Containment: Prevent further leakage or spillage if safe to do so. Contain spillage.

Methods for Cleaning Up: Absorb with an inert dry material and place in an appropriate waste disposal container. Keep in suitable, closed containers for disposal.

Section VII – Handling & Storage

Precautions for Safe Handling

Advice on Safe Handling: Handle in accordance with good industrial hygiene and safety practice. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions: Keep containers tightly closed in a dry, cool and well-ventilated place.

Section VIII – Exposure Controls/ Personal Protection

Exposure Guidelines:

Chemical Name	CAS #	ACGIH TLV	OSHA PEL	NIOSH TWA
Polyammonium chloride	Proprietary	No exposure limit	No exposure limit	No exposure limit

Engineering Controls: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Respiratory Protection: Use a properly fitted, air-purifying or supplied air respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Eye Protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Hand Protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Skin Protection: Prevent contact with shoes and clothing; use rubber apron and overshoes.

Other Protective Equipment: Eye wash stations and emergency showers should be available. The type and degree of personal protective equipment appropriate will depend on the specific work operation. Inspect and replace personal protective equipment at regular intervals; use professional care in their selection, use and care.

Section IX – Physical & Chemical Properties

Information on Basic Physical and Chemical Properties

Physical State	Viscous liquid
Color	Colorless
<u>Property</u>	<u>Values</u>
pH	5-7
Melting Point/Freezing Point	No data available
Boiling Point/Boiling Range	100 ° C (212 °F)
Flash Point	Does not ignite
Evaporation Rate	No data available
Flammability (Solid,Gas)	n/a-liquid
Upper Flammable Limits	No data available
Lower Flammable Limits	No data available
Vapor Pressure	No data available
Vapor Density	No data available
Specific Gravity	1.01
Water Solubility	Soluble

Solubility in Other Solvents	No data available
Partition Coefficient	No data available
Autoignition Temperature	No data available
Decomposition Temperature	No data available
Kinematic Viscosity	No data available
Dynamic Viscosity	No data available
Explosive Properties	Not an Explosive
Oxidizing Properties	Not an oxidizer.
Odor	Slight odor
Odor Threshold	No data available

Section X – Stability & Reactivity

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

No dangerous reactions known.

Conditions to Avoid

Contact with incompatible materials.

Incompatible Materials

Strong oxidizing agents.

Hazardous Decomposition Products

Hydrogen chloride gas, Carbon oxides, nitrogen oxides.

Section XI - Toxicological information

Information on Likely Routes of Exposure

Product Information

Inhalation: No known significant effects.

Eye Contact: No known significant effects.

Skin Contact: No known significant effects.

Ingestion: No known significant effects..

Chemical Name	CAS #	Oral LD50	Dermal LD50	Inhalation LC50
Polyammonium chloride	Proprietary	No data available	No data available	No data available

Chemical Name	Polyammonium chloride
Skin corrosion/irritation	Prolonged contact may cause temporary irritation
Serious eye damage/irritation	direct contact with eyes may cause temporary irritation
Respiratory or skin sensitization	Not a sensitizer
Mutagenicity	Negative
Carcinogenicity	Not classified as a human carcinogen.
Reproductive toxicity	Not expected to cause.
Specific target organ toxicity-Single exposure	Not classified
Specific target organ toxicity-repeated exposure	Not classified
Aspiration hazard	Not an aspiration hazard

Section XII - Ecological information

There is no data available for this product as a whole.

Chemical Name	CAS #	
Polyammonium chloride	Proprietary	At formula concentrations the product is not hazardous to aquatic life

Persistence and Degradability

No data available

Bioaccumulation

No data available

Mobility

No data available

Section XIII - Disposal considerations

WASTE DISPOSAL METHOD

Dispose of contents/container in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Section XIV - Transport information

DOT Proper Shipping Description:

Not regulated as a dangerous goods.

Section XV - Regulatory information

SARA Title III Section 311/312 (40CFR370): Not hazardous

SARA Title III Section 313 (40CFR372): None

CERCLA Status (40CFR302): Not listed

RCRA Status(40CFR261.33): Not listed

TSCA Inventory Status: Included

OSHA/NTP/IARC Carcinogen Status: Not listed

Canadian DSL Status: listed

Chemicals Known to the State of California to Cause Cancer or Reproductive Toxicity:

This material is not known to contain a chemical currently listed as carcinogens or reproductive toxins.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Polyammonium chloride	Not regulated	Not regulated	Not regulated

Section XVI - Other information

HMIS ratings: Health: 1 Flammability: 0 Reactivity: 0
Indication of changes: Revision – 1
Date Sheet Prepared: 09/25/2017
Other information: Author – EHS Administrator

The information herein is presented in good faith and believed to be correct as of the date hereof. However, the manufacturer makes no representation as to the completeness and accuracy thereof. Users must make their own determination as to the suitability of the product for their purposes prior to use.

No representations or warranty's, either express or implied of merchantability, fitness for a particular purpose or of any other nature with respect to the product or to the information herein is made hereunder. The manufacturer shall in no event be responsible for any damages of whatsoever nature directly or indirectly resulting from the publication or use of or reliance upon information contained herein.

END OF SDS