Envirofloc MS-568

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations And According To The Hazardous Products Regulation (February 11, 2015).

Revision Date: 6 /10/2019 Date of First Issue: 2/16/2018 Version: 2.0

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Mixture

Product Name: Envirofloc MS-568

1.2. Intended Use of the Product

Antifoam. For professional use only.

1.3. Name, Address, and Telephone of the Responsible Party

Company

Chemstream, Inc.
511 Railroad Ave
Homer City, PA 15748
724-915-8388

1.4. Emergency Telephone Number

Emergency Number : Call CHEMTREC Day or Night 1 (800) 424 - 9300 / +1 (703) 527 - 3887

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

GHS-US/CA Classification

This material is not considered hazardous in accordance with OSHA 29CFR 1910.1200.

2.2. Label Elements

Not a hazardous substance or mixture

GHS-US/CA Labeling

2.3. Other Hazards

May cause eye irritation with susceptible persons

May cause skin irritation with susceptible persons

Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment. See Section 12.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Cationic polymer in solution

3.1. Mixture

Name	Product Identifier	%
Polyethyleneimine dithiocarbamate	189326-02-1	15-40

4.1. Description of First-aid Measures

SECTION 4: FIRST AID MEASURES

Inhalation: Move to fresh air. No hazards which require special first aid measures.

Skin Contact: Remove contaminated clothing. Wash affected area with soap and water for at least 15 minutes. Obtain medical attention if irritation develops.

Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain medical attention immediately.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Water, water spray, foam, carbon dioxide (CO_2), dry powder.

Special Hazards Arising From the Substance or Mixture

Spills product extremely slippery surfaces. The following can be released when product is subject to fire: carbon oxides, nitrogen oxides.

5.2. Advice for Firefighters

Firefighting Instructions: Use water spray or fog for cooling exposed containers.
Protection During Firefighting: Do not enter fire area without proper protective equipment, including self contained breathing apparatus. Keep personnel removed and upwind of fire.
Other Information: Do not allow run-off from fire fighting to enter drains or water courses.
Autoignition Temperature: Does not ignite
Flash point: Does not flash
Hazardous decomposition products
Hydrogen nitrogen oxides (NOx), carbon oxides

Reference to Other Sections

Refer to Section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Keep people away from spill/leak. Do not touch or walk through spilled material. Wear adequate personal protective equipment.

6.2. Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

6.3. Methods and Materials for Containment and Cleaning Up

For Containment: Contain any spills with dikes or inert absorbents to prevent migration and entry into sewers or streams.
Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Precautions for Safe Handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid prolonged contact with eyes, skin and clothing. Do not breathe vapors, mist, spray. Do not smoke when using. When preparing working solution ensure there is adequate ventilation
Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.
Storage Conditions: Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures, incompatible materials and sources of ignition. Freezing will affect the physical condition and may damage the material.

7.3. Specific End Use(s)

For professional use only.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

8.2. Exposure Controls

Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed. Use local exhaust if misting occurs. Natural ventilation is adequate in absence of mists.

Personal Protective Equipment: Gloves. Protective clothing. Protective goggles.

Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear PVC or other plastic protective gloves.

Eye Protection: Chemical safety goggles.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Other Information: When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State	:	Liquid
Appearance	:	Red
Odor	:	Rotten egg like
Odor Threshold	:	Not available
pH	:	Not available
Evaporation Rate	:	Not available
Melting Point	:	Not available
Freezing Point	:	Not available
Boiling Point	:	> 100 °C (212 °F)
Flash Point	:	Not available
Auto-ignition Temperature	:	Does not ignite
Decomposition Temperature	:	Not available
Flammability (solid, gas)	:	Not available
Lower Flammable Limit	:	Not available
Upper Flammable Limit	:	Not available
Vapor Pressure	:	Not available
Relative Vapor Density at 20°C	:	Not available
Relative Density	:	Not available
Specific Gravity	:	1.0-1.2
Solubility	:	Water: Dispersible
Partition Coefficient: N-Octanol/Water	:	Not available
Viscosity	:	Not available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity: Hazardous reactions will not occur under normal conditions. Avoid temperature extremes. Protect from light, moisture and damage

10.2. Chemical Stability: Stable. Hazardous polymerization does not occur.

10.3. Incompatible Materials: None

10.4. Hazardous Decomposition Products: No decomposition if stored and applied as directed. Burning of the dried material can produce: hydrogen cyanide, nitrogen oxides (NOx), carbon oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects - Product

Acute Toxicity (Oral): LD50 (rat) > 5000 mg/kg (estimated)

Acute Toxicity (Dermal): LD50 (rat) > 5000 mg/kg (estimated)

Acute Toxicity (Inhalation): No data available

Skin Corrosion/Irritation: May cause skin irritation with susceptible persons

Eye Damage/Irritation: May cause eye irritation with susceptible persons

Respiratory or Skin Sensitization: No information available

Component Information

Polyethyleneimine dithiocarbamate

Acute Toxicity (Oral): LD50 (rat) > 2000 mg/kg (estimated)
Acute Toxicity (Dermal): LD50 (rat) > 2000 mg/kg (estimated)
Acute Toxicity (Inhalation): No data available

Skin Corrosion/Irritation: Not irritating

Eye Damage/Irritation: Not irritating

Respiratory or Skin Sensitization: No information available

SECTION 12: ECOLOGICAL INFORMATION

12.1. Product Toxicity

Aquatic Toxicity

Toxicity to fish: LC 50/Fish/96 hours = 10-100 mg/L
Toxicity to daphnia: EC 50/Daphnia magna/48 hours = 10-100 mg/L
Toxicity to algae: Algal inhibition tests are not appropriate. The flocculation characteristics of the product directly interfere in the test medium preventing homogenous distribution which invalidates the test
Persistence and degradability: not readily biodegradable
Hydrolysis: does not hydrolyse
Bioaccumulation: This product is not expected to bioaccumulate
LowPow: < 0
LogKow: not determined

12.2 Component Information

Polyethylene imine dithiocarbamate

Aquatic Toxicity

Toxicity to fish: LC 50/Fish/96 hours = 10-100 mg/L
Toxicity to daphnia: EC 50/Daphnia magna/48 hours = 10-100 mg/L
Toxicity to algae: IC50/Algae/72 hours = 10-100 mg/L
Persistence and degradability: not readily biodegradable
Hydrolysis: does not hydrolyse
Bioaccumulation: This product is not expected to bioaccumulate
LowPow: < 0
LogKow: not determined

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations

Additional Information: Container may remain hazardous when empty. Continue to observe all precautions.

SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

14.1. In Accordance with DOT Not regulated for transport

14.2. In Accordance with IMDG Not regulated for transport

14.3. In Accordance with IATA Not regulated for transport

14.4. In Accordance with TDG Not regulated for transport

SECTION 15: REGULATORY INFORMATION

15.1. US Federal Regulations

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

No SARA Hazards

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision Date : 6/10/2019

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 and Canada's Hazardous Products Regulations (HPR).

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

NA GHS SDS 2015 (US, Can, Mex)