



Envirofloc FAS-55

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: 5/11/2019 Date of Issue: 5/11/2019

Version: 1.0

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Mixture

Product Name: Envirofloc FAS-55

1.2. Intended Use of the Product

Processing aid for industrial applications

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

Company

Chemstream

511 Railroad Ave

Homer City, PA 15748

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

Not classified

2.2. Label Elements

GHS-US/CA Labeling

Hazard Pictograms (GHS-US):

None

Signal Word (GHS-US):

None

Hazard Statements (GHS-US):

None

Precautionary Statements (GHS-US):

None

2.4. Unknown Acute Toxicity (GHS-US/CA)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Hazardous Ingredient(s)	% wt.*	CAS No.
Contains no reportable hazardous substances		

SECTION 4: FIRST AID MEASURES

4.1. Description of First-aid Measures

First-aid Measures General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid Measures After Inhalation: Move to fresh air. No hazard which would require special first aid measures.

First-aid Measures After Skin Contact: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. In case of persistent skin irritation, consult a physician.

First-aid Measures After Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Alternatively, rinse immediately with Diphoterine[®]. Get prompt medical attention.

First-aid Measures After Ingestion: Rinse mouth with water. Do NOT induce vomiting. Get medical attention immediately if symptoms occur.

4.2. Most Important Symptoms and Effects Both Acute and Delayed

None under normal use

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

None under normal use.

Envirofloc FAS-55

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).

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: In case of fire: Water. Water spray. Foam. Carbon dioxide (CO₂). Dry powder.

Unsuitable Extinguishing Media: None

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not considered flammable

Explosion Hazard: No unusual fire or explosion hazards noted.

Reactivity: Spills produce extremely slippery surfaces

5.3. Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers. Move containers from fire area if you can do so without risk.

Protection During Firefighting: Wear self contained breathing apparatus and protective suit.

Hazardous Combustion Products: Carbon oxides (CO_x). Nitrogen oxides (NO_x). Hydrogen chloride. Hydrogen cyanide (hydrocyanic acid) may be produced in the event of combustion in an oxygen deficient atmosphere.

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

General Measures: protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Do not touch or walk through spilled material. Spills produce extremely slippery surfaces.

6.1.1. For Non-Emergency Personnel

Protective Equipment: Wear adequate personal protective equipment (see Section 8 Exposure Controls/Personal Protection).

Emergency Procedures: Keep people away from spill/leak.

6.1.2. For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

6.2. Environmental Precautions

Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases.

6.3. Methods and Materials for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up:

Large Spills: Do not flush with water. Dam up. Clean up promptly by scoop or vacuum.

Small Spills: Do not flush with water. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. After cleaning, flush away traces with water. Soak up with inert absorbent material.

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: Avoid contact with eyes and skin. Renders surfaces extremely slippery when spilled. Do not eat, drink or smoke.

Hygiene Measures: Observe good industrial hygiene practices.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Keep away from heat and sources of ignition. Freezing will affect the physical condition and may damage the material. Incompatible with oxidizing agents.

Envirofloc FAS-55

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).

7.3. Specific End Use(s)

Processing aid for industrial applications

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

Occupational Exposure Limits

		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
None	----	----	----	----	----	----

8.2. Exposure Controls

Appropriate Engineering Controls: 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 material gloves.

Eye Protection: Wear safety glasses with side shields (or goggles).

Skin and Body Protection: Wear coveralls and/or chemical apron and rubber footwear where physical contact can occur.

Respiratory Protection: No personal respiratory protective equipment normally required.

Other Information: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Clear to slightly yellow liquid
Odor	: None
Odor Threshold	: Not available
pH	: 3-8
Evaporation Rate	: Not available
Melting Point	: <0 °C
Freezing Point	: Not available
Boiling Point	: >100 °C
Flash Point	: Does not flash
Auto-ignition Temperature	: Does not self-ignite
Decomposition Temperature	: >150 °C
Flammability (solid, gas)	: Not available
Lower Flammable Limit	: Not available
Upper Flammable Limit	: Not available
Vapor Pressure	: 2.3 kPa @ 20 °C
Relative Vapor Density at 20°C	: 0.804 g/L @ 20 °C
Relative Density	: 1.1-1.2
Specific Gravity	: Not available
Solubility	: Water: Miscible
Partition Coefficient: N-Octanol/Water	: <0
Viscosity	: Not available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity: Stable under normal conditions.

Envirofloc FAS-55

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).

- 10.2. Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).
- 10.3. Possibility of Hazardous Reactions:** Oxidizing agents may cause exothermic reactions.
- 10.4. Conditions to Avoid:** Protect from frost, heat and sunlight
- 10.5. Incompatible Materials:** Oxidizing agents may cause exothermic reactions.
- 10.6. Hazardous Decomposition Products:** Thermal decomposition may produce: hydrogen chloride gas, nitrogen oxides (NO_x), carbon oxides (CO_x). Hydrogen cyanide (hydrocyanic acid).

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects - Product

Acute Toxicity (Oral):	LD50/oral/rat >5000 mg/kg
Acute Toxicity (Dermal):	LD50/dermal/rat >5000 mg/kg
Acute Toxicity (Inhalation):	Testing by inhalation is inappropriate because exposure of humans via inhalation is unlikely; the substance has no vapor pressure and there is practically no exposure to inhalable aerosols.
Irritation / Corrosivity	Non-irritating to skin, slightly irritating to eyes
Sensitisation	Not sensitizing to skin
Repeated dose toxicity	Not to be expected.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. By analogy with similar products, this product is not expected to be mutagenic.
Mutagenicity	
Reproductive toxicity	Not to be expected
Specific target organ toxicity - single exposure (GHS)	No known effects
Specific target organ toxicity - repeated exposure (GHS)	No known effects
Aspiration hazard	Due to the viscosity, this product does not present an aspiration hazard.

Envirofloc FAS-55

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).

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Fish:	LC50 Fish/96 hours = >100 mg/L (OECD 203)
Invertebrates:	EC50/Daphnia Magna/48 hours = >100 mg/L (OECD 202)
Acute toxicity to algae:	Algal inhibition tests are not appropriate. The flocculation characteristics of the product interfere in the test medium preventing homogenous distribution which invalidates the test.
Chronic toxicity to fish:	No data available
Chronic toxicity to invertebrates:	No data available
Toxicity to terrestrial organisms:	No data available.
Sediment toxicity:	No data available.

12.2 Persistence and degradability

Degradation:	Not readily biodegradable.
Hydrolysis:	Does not hydrolyse
Photolysis:	No data available

12.3 Bioaccumulative potential

Partition Coefficient (Log Pow):	<0
Bioconcentration factor (BCF)	No data available.

12.4 Mobility in soil

Exposure to soil is not to be expected

Other adverse effects

None

Fish:	LC50 Fish/96 hours = >100 mg/L (OECD 203)
Invertebrates:	EC50/Daphnia Magna/48 hours = >100 mg/L (OECD 202)

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste Disposal Recommendations: Disposal should be in accordance with local, state or national legislation.

Additional Information: Rinse empty container with water and use rinse water to prepare the working solution. If recycling is not practicable, dispose of in compliance with local regulations.

Ecology - Waste Materials: Avoid release to the environment.

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.

	<u>U.S. DOT</u>	<u>Sea transport (IMDG)</u>	<u>Air transport (ICAO/IATA)</u>
UN number	Not Classified	Not Classified	Not Classified
Proper Shipping Name			
Transport hazard class(es)			
Packing group			
Environmental hazards			
Special precautions for user			

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

Envirofloc FAS-55

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).

SECTION 15: REGULATORY INFORMATION

15.1. US Federal Regulations

TSCA (Toxic Substance Control Act) - Inventory Status: All components listed or polymer exempt.

Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
None	-----	-----	-----

SARA 311/312 - Hazard Categories:

Fire Sudden Release Reactivity Immediate (acute) Chronic (delayed)

SARA 313 - Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
None		

SARA 302 - Extremely Hazardous Substances (40 CFR 355):

Chemical Name	CAS No.	Typical %wt.	TPQ (pounds)
None	----	----	----

California Proposition 65 List:

Chemical Name	CAS No.	Type of Toxicity
None		-----

California Prop. 65 Components WARNING! This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm, Acrylamide.

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

HMIS Classification Health hazard: 0
Flammability: 0
Physical hazards: 0
NFPA Rating Health hazard: 0
Fire: 0
Reactivity Hazard: 0
PPE Code: B

The following sections contain revisions or new statements: 1-16.

Date of preparation: May 11, 2019

Hazard Statement(s) and Risk Phrases Listed in: SECTION 2:/ SECTION 3:

Hazard Statement(s)

Training advice: None.

Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.