

## SAFETY DATA SHEET

Hazards	Personal Protection	Transport Information
		Not classified.

## 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

### 1.1. Product Identifier:

Product Name: **Envirofloc CF-601**  
 Type of product: Mixture

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

Product use: Processing aid for industrial applications  
 Uses advised against: None

### 1.3. Details of the supplier of the safety data sheet

Supplier: **Chemstream, Inc.**  
 166 Commerce Drive  
 Stoystown, PA 15563 USA  
 Telephone: 724-915-8388  
 Fax: 724-9158374

### 1.4. Emergency telephone number

24-hr. emergency number: (800) 424-9300

## 2. HAZARD IDENTIFICATION

### 2.1. Classification of the substance or mixture

Classification according to paragraph (d) of Regulation 29 CFR 1910.1200: Not classified

### 2.2. Label Elements

Labelling according to paragraph (f) of Regulation 29 CFR 1910.1200

Hazard symbol(s): None  
 Signal word: None  
 Hazard statement(s): None  
 Precautionary statement(s): None

### 2.3. Other Hazards

Spills produce extremely slippery surfaces.

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### 3. COMPOSITION / INFORMATION ON INGREDIENTS

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#### 3.1. Substances

Not applicable, this product is not a substance.

#### 3.2. Mixtures

##### Hazardous Components

Contains no reportable hazardous substances.

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### 4. FIRST-AID MEASURES

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#### 4.1. Description of first aid measures

Inhalation: Move to fresh air. No Hazards which require special first aid measures.  
Skin contact: Wash off with plenty of soap and water while removing contaminated clothing and shoes. In case of persistent skin irritation, consult a physician.  
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.  
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. Indications of any immediate medical attention and special treatment needed.

None reasonably foreseeable.

#### Other information

None

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### 5. FIRE-FIGHTING MEASURES

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#### 5.1. Extinguishing media

Suitable extinguishing media: Water. Water spray. Foam. Carbon dioxide (CO<sub>2</sub>). Dry powder.  
Unsuitable extinguishing media: None.

#### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products: Carbon oxides (CO<sub>x</sub>). Nitrogen oxides (NO<sub>x</sub>). Hydrogen chloride. Hydrogen cyanide (hydrocyanic acid) may be produced in the event of combustion in an oxygen deficient atmosphere.

#### 5.3. Advice for fire-fighter.

Protective measures: Wear self-contained breathing apparatus and protective suit.  
Other information: Spills produce extremely slippery surfaces.

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### 6. ACCIDENTAL RELEASE MEASURES

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#### 6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: **DO NOT** touch or walk through spilled material. Spills produce extremely slippery surfaces.

Product Name: **Envirofloc CF-601**

Protective equipment: Wear suitable protective clothing, gloves and eye/face protection.  
Emergency procedures: Keep people away from spill/leak.

## 6.2. Environmental Precautions

As with all chemical products, **DO NOT** flush into surface water.

## 6.3. Method and materials for containment and cleaning up

Small spills: **DO NOT** flush with water. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.  
Large spills: Dam up. Clean up promptly by scoop or vacuum. **DO NOT** flush with water.  
Residues: Soak up with inert absorbent material. After cleaning, flush away traces with water.

## 6.4 Reference to other sections

Section 7: HANDLING AND STORAGE; Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION, Section 13: DISPOSAL CONSIDERATIONS.

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# 7. HANDLING AND STORAGE

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## 7.1. Precautions for safe handling

Avoid contact with skin and eyes. Renders surfaces extremely slippery when spilled. When using, **DO NOT** eat, drink or smoke.

## 7.2. Conditions for safe storage

Keep away from heat and sources of ignition. Freezing will affect the physical condition and may damage the material.

## 7.3. Specific end use(s)

None.

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# 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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## 8.1. Control parameters

Occupational exposure limits: None

## 8.2. Exposure controls

Appropriate engineering controls: Use local exhaust if misting occurs. Natural ventilation is adequate in absence of mists.

### Individual protection measures, such as personal protective equipment

- a) Eye/face protection: Safety glasses with side-shields
- b) Skin protection: Wear coveralls or chemical-resistant apron and rubber footwear where physical contact can occur.
- c) Hand protection: PVC or other plastic gloves
- d) Respiratory protection: No personal respiratory protective equipment normally required.
- e) Additional advice: Wash hands and face before breaks and immediately after handling the product. Wash hands and face at the end of the workday.

Environmental exposure controls: **DO NOT** allow uncontrolled discharge of product into the environment.

Product Name:

**Envirofloc CF-601****9. PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties**

Appearance:	clear to slightly yellow liquid
Odor:	none
Odor threshold:	not applicable
pH:	4 - 8
Melting point/range (° C):	< 0° C
Initial boiling point and boiling range:	> 100° C
Flash point:	does not flash
Evaporation rate	no data available
Flammability (solid, gas):	not applicable
Upper/lower flammable or explosive limits:	not expected to create explosive atmospheres
Vapor pressure:	2.3 kPa @ 20° C
Relative density:	1.0 - 1.2
Solubility(ies):	completely miscible
Partition coefficient:	< 0
Autoignition temperature:	does not self-ignite (based on the chemical structure)
Decomposition temperature:	> 150° C
Viscosity:	See Technical Bulletin
Explosive properties:	not expected to be explosive based on the chemical structure
Oxidizing properties:	not expected to be oxidizing based on the chemical structure

**9.2. Other information**

None

**10. STABILITY AND REACTIVITY****10.1. Reactivity**

Stable under recommended storage conditions.

**10.2. Chemical stability**

Stable under recommended storage conditions.

**10.3. Possibility of hazardous reactions**

None known.

**10.4. Conditions to avoid**

Protect from frost, heat and sunlight.

**10.5. Incompatible materials**

None known.

**10.6. Hazardous decomposition products**

Thermal decomposition may produce: hydrogen chloride gas, nitrogen oxides (NO<sub>x</sub>), carbon oxides (CO<sub>x</sub>). Hydrogen cyanide (hydrocyanic acid) may be produced in the event of combustion in an oxygen deficient atmosphere.

## 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### Information on the product as supplied:

Acute oral toxicity:	LD <sub>50</sub> / oral / rat > 5000 mg / kg
Acute dermal toxicity:	LD <sub>50</sub> / dermal / rat > 5000 mg / kg
Acute inhalation toxicity:	Testing by the inhalation route 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.
Skin corrosion / irritation:	Not irritating.
Serious eye damage / eye irritation:	Slightly irritating.
Respiratory / skin sensitization:	Not sensitizing to skin. No respiratory sensitization has been observed in the workplace.
Mutagenicity:	Not mutagenic.
Carcinogenicity:	Based on the absence of mutagenicity, it is unlikely that the substance is carcinogenic.
Reproduction toxicity:	By analogy with similar products, this product is not expected to be toxic for reproduction.
STOT – single exposure:	No known effects.
STOT – repeated exposure:	No known effects.
Aspiration hazard:	No hazard resulting from the material as supplied.

## 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity

#### Information on the product as supplied:

Acute toxicity to fish:	LC <sub>50</sub> / <i>Danio rerio</i> / 96 hours = 10 - 100 mg / L (Estimated)
Acute toxicity to invertebrates:	EC <sub>50</sub> / <i>Daphnia magna</i> / 48 hours = 10 - 100 mg / L (Estimated)
Acute toxicity to algae:	Algal inhibition test are not appropriate. The flocculation characteristics of the product interfere directly 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 microorganisms:	EC <sub>0</sub> / activated sludge / 0.5 h = 1000 mg / L (OECD 209)
Effects on terrestrial organisms:	Exposure to soil is unlikely.
Sediment toxicity:	Exposure to sediment is unlikely.

### 12.2. Persistence and degradability

#### Information on the product as supplied:

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

### 12.3. Bioaccumulation potential

#### Information on the product as supplied:

This product is not expected to bioaccumulate.

Partition coefficient (Log Pow):	< 0
Bioconcentration factor (BCF):	~ 0

Product Name: **Envirofloc CF-601**

**12.4. Mobility in soil**

Information on the product as supplied

Exposure to soil is not to be expected.  
KOC: ~ 0

**12.5. Other adverse effects**

None.

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**13. DISPOSAL CONSIDERATIONS**

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**13.1. Water treatment methods**

Waste from residues / unused products: Dispose of in accordance with local regulations.  
Contaminated packaging: Rinse empty containers with water and use the rinse-water to prepare the working solution. If recycling is not practicable, dispose of in compliance with local regulations.  
Recycling: Store containers and offer for recycling when in accordance with local regulations.

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**14. TRANSPORTATION INFORMATION**

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Land transport (DOT): Not classified.  
Sea transport (IMDG): Not classified.  
Air transport (IATA): Not classified.

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**15. REGULATORY INFORMATION**

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**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Information on the product as supplied:

TSCA Chemical Substances Inventory: All components of this product are either listed on the inventory or are exempt from listing.

US SARA Reporting Requirements

SARA (Section 311 / 312) Hazard Class: Not concerned.  
RCRA Status: Not RCRA hazardous.  
California Proposition 65 Information: Not concerned.

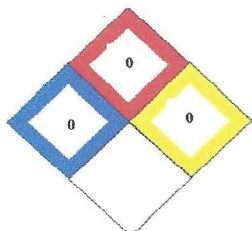
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**16. OTHER INFORMATION**

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Contact person: Product Manager

NFPA and HMIS® Ratings:



**NFPA:**  
Health: 0  
Flammability: 0  
Reactivity: 0  
Special: 0

**HMIS®:**  
Health: 0  
Flammability: 0  
Reactivity: 0  
PPE Code: B

Product Name:

**Envirofloc CF-601**

Rev. Date: 08/01/2018

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Other Information

Creation Date: 08/01/2018

This SDS was prepared in accordance with the following:

U. S. Code of Federal Regulations 29 CFR 1910.1200

Prepared by: Regulatory Dept.

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal, and release, and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text.

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