

SAFETY DATA SHEET

According to Federal Regulation 29 CFR 1910.1200

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

1.1. Product identifier

Product name: TRAMFLOC® 923

Type of product: Mixture

1.2. Other identification

Chemical Family:	Mixture
CAS No.	Mixture
Trade Name	TRAMFLOC® 923
Product Code	None
Uses advised against:	None

1.3. Details of the supplier of the safety data sheet

Company:	Tramfloc, Inc.
	6046 FM 2920 Rd. #615
	Spring, TX 77379-2542
	Telephone: 888-929-8973
	Telefax: 480-383-6895
	E-mail address: water@tramfloc.com

1.4 Emergency telephone number:

24-hour emergency number: 800-424-9300 CHEMTREC (CCN 20412), Outside US 703-527-3887

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

OSHA HCS (29 CFR 1910.1200)	Skin Irritant. 1A; Eye Dam. 2
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2.2. Label elements

Hazard Symbol(s)	None
Signal Word(s)	None.
Hazard Statement(s)	None
Hazard symbol(s)	None.
Precautionary statement(s)	None.

2.3. Hazards

Spills produce extremely slippery surfaces.

For explanation of abbreviations see Section 16.

SECTION 3. Composition/information on ingredients

3.1. Substances

Not applicable, this product is not a substance.

3.2. Mixtures

Contains no reportable hazardous substance.

SECTION 4. First-aid measures

4.1. Description of first aid measures

Inhalation	Remove to fresh air. No hazards which require special first aid measures.
Skin Contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician.
Eye Contact	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Seek medical advice.
Ingestion	Do not induce vomiting. Rinse mouth with water. 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 reasonably foreseen.

SECTION 5. Fire-fighting measures

5.1. Extinguishing Media

Water. Water spray. Foam. Carbon dioxide (CO₂). Dry powder.

Unsuitable Extinguishing Media

None.

5.2. Special hazards arising from the substance or mixture

Thermal decomposition may produce: nitrogen oxides (NO_x) and carbon oxides (CO_x) and sulfur oxides (SO_x)
Hydrogen cyanide (hydrocyanic acid) may be produced in the event of combustion in an oxygen deficient atmosphere.

5.3. Advice for fire-fighters

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Do not touch or walk through spilled material. Spills produce extremely slippery surfaces. Wear adequate personal protective equipment (see Section 8 Exposure Controls/Personal Protection). Keep people away from spill/leak.

6.2. Environmental precautions

Do not contaminate water.

6.3. Methods and material for containment and cleaning up

Do not flush with water. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. For large spills, do not flush with water. Dam up. Clean up promptly by scoop or vacuum.

Soak up residues with inert absorbent material. After cleaning, flush away traces with water.

6.4. Reference to other sections

Section 7, Handling and Storage 8, Exposure Controls/Personal Protection. Section 13, Disposal considerations.

6.5. Additional Information

None

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Wear protective gloves/protective clothing/eye protection/face protection. When using do not eat, drink or smoke.

7.2. Conditions for safe storage, including any incompatibilities

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.

SECTION 8. Exposure controls/personal protection

8.1. Occupational Exposure Limits

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

8.2. Engineering measures

Use local exhaust if misting occurs. Natural ventilation is adequate in absence of mists.

8.3. Personal protection equipment

Eye/face protection

Safety glasses with side-shields.

Skin protection (Hand protection/ Other)

Wear coveralls and/or chemical apron and rubber footwear where physical contact can occur.

Respiratory protection

Normally no personal respiratory protection is necessary.

Additional advice

Wash hands and face before breaks and immediately after handling the product. Wash hands before breaks and at the end of workday.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Color.	Red
Odor	Rotten egg-like
Odor Threshold (ppm)	Not available
pH (Value)	10 – 11.5
Melting Point (°C) / Freezing Point (°C) ca.	< -7°C
Boiling point/boiling range (°C):	>100°C
Flash Point (°C)	Non-combustible / Non-flammable
Evaporation Rate	No data available
Flammability (solid, gas)	Not applicable
Explosive Limit Ranges	Not applicable
Vapour pressure	2.3 kPa @ 20°C
Vapour Density (Air=1)	0.804 g/litre @ 20°C
Relative Density	1.0 – 1.3
Solubility (Water)	Completely Miscible
Partition Coefficient	< 0
Auto Ignition Point (°C)	Non-combustible / Non-flammable
Decomposition Temperature (°C)	>150°C
Viscosity	See technical bulletin
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
Other information	Not available

SECTION 10. Stability and reactivity

10.1. Reactivity

Stable

10.2. Possibility of hazardous reactions

Stable under recommended storage conditions.

10.3. Conditions to avoid

Protect from frost, heat and sunlight

10.4. Incompatible materials

None known.

10.6. Hazardous decomposition product(s)

Thermal decomposition may product nitrogen oxides, carbon oxides, sulfur oxides and hydrogen cyanide.

SECTION 11. Toxicological information

Exposure routes: Skin Contact, Eye Contact

11.1. Substances in preparations / mixtures

Acute toxicity	Oral: LD50/oral/rat > 5000 mg/kg
Dermal:	LD50/dermal/rat > 5000 mg/kg
Inhalation:	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.
Irritation/Corrosivity	Non-irritant to skin.
Sensitization workplace.	Not sensitizing to skin. No respiratory sensitization has been observed in the
Repeated dose toxicity	No information available
Carcinogenicity	By analogy with similar substances, this substance is not expected to be carcinogenic.
Mutagenicity	By analogy with similar substances, this substance is not expected to be mutagenic.
Toxicity for reproduction	By analogy with similar substances, this substance is not expected to be toxic for reproduction.
STOT- single	No known effects.
STOT – repeated	No known effects.
Aspiration hazard	No hazard resulting from the material as supplied.

SECTION 12. Ecological information

12.2. Ecotoxicity

Information on the product as supplied:

Acute toxicity to fish:	LC50/fish/96 hours = 10 – 100 mg/L
Acute toxicity to invertebrates:	EC50/Daphnia magna/48 hours = 10 – 100 mg/L
Acute toxicity to algae:	IC50/Algae/72 hours = 10 – 100 mg/L
Chronic toxicity to fish:	No data available.
Chronic toxicity to invertebrates	No data available.
Toxicity to microorganisms:	No data available.
Effects on terrestrial organisms:	No data available. Exposure to soil is unlikely.
Sediment toxicity:	No data available. Exposure to sediment is unlikely.

12.3. Persistence and degradability

Not available

12.4. Bioaccumulative potential

The product is not expected to bioaccumulate.

Partition co-efficient (Log Pow): 0

Bioconcentration factor (BCF): No data available.

12.5. Mobility in soil

Not available

12.6. Results of PBT and vPvB assessment

Not classified as PBT or vPvB.

12.7. Other adverse effects

None known.

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice. Clean container with water.

SECTION 14. Transport information

Land transport (DOT)

Not classified.

Sea transport (IMDG)

Not classified

Air transport (IATA)

Not classified.

SECTION 15. Regulatory information

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

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

US SARA Reporting Requirements

SARA (Section 311/312) hazard class: Not concerned

RCRA status: Not RCRA hazardous.

California Proposition 65 Information:

Warning! This product contains a chemical known in the State of California to cause cancer, Ethyleneimine (Aziridine)

SECTION 16. Other information

NFPA RATING (for fire conditions):

Health=0

Flammability=0

Reactivity=0

Protective Equipment=B

Health=0

Flammability=0

Physical Hazard=0

PPE Code=B

HAZARD RATING: 4=extreme 3=high 2=moderate 1=slight 0=insignificant

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

Date of preparation: April 22, 2015

Additional Information: none

The information contained herein is to the best of our knowledge and belief accurate. However, since the conditions of handling and use are beyond our control, Tramfloc, Inc. makes no guarantee for results obtained, and assumes no responsibility for damages incurred by use of this product. It is the responsibility of the user to comply with all federal, state, and local laws and regulations.