

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® 902

Type of product: Mixture

1.2. Other identification

Chemical Family:	Mixture
CAS No.	Mixture
Trade Name	TRAMFLOC® 902
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. 2; Eye Dam. 1

2.2. Label elements

Hazard Symbol

Signal Word(s)

Hazard Statement(s) Causes severe skin burns and eye damage.

Precautionary Statement(s) Prevention: Wash skin thoroughly after handling. Wear protective gloves/ protective clothing/ eye protection/ face protection.

Wash thoroughly after handling.

Response:

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Immediately call a POISON CENTER or doctor/ physician.

IF IN EYES:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.

Wash contaminated clothing before reuse.

Storage: Store locked up.

Disposal: Dispose of contents/ container to an approved waste disposal plant.

Other hazards: Contact with acids liberates very toxic gas. Toxic to aquatic life.

Additional Information Warning - this preparation contains a substance not yet tested completely. (>10%)

SECTION 3. Composition/information on ingredients

Hazardous ingredients	Weight %	CAS No.
Proprietary hydropolysulfide, carbonothioylbis-, disodium salt solution	Trade Secret	128578-22-3
Sodium dimethyldithiocarbamate	Trade Secret	128-04-1
Hydrosulfide	Trade Secret	16721-80-5

Additional information – Substances in the product which may present a health or environmental hazard, or which have been assigned occupational limits, are detailed below:

- Contact with acids liberates very toxic gas: Hydrogen sulfide (H₂S)

SECTION 4. First-aid measures

4.1. Description of first aid measures

Inhalation	Remove to fresh air and keep at rest in a position comfortable for breathing. If breathing is labored, administer oxygen. If symptoms occur obtain medical attention.
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 without medical advice. If ingested, rinse mouth. Seek medical treatment.

4.2. Most important symptoms and effects, both acute and delayed

None known

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically

SECTION 5. Fire-fighting measures

5.1. Extinguishing Media

Suitable Extinguishing Media

Non-combustible, non-flammable. As appropriate for surrounding fire.

Unsuitable Extinguishing Media As appropriate for surrounding fire.

5.2. Special hazards arising from the substance or mixture

None known.

5.3. Advice for fire-fighters

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Keep containers cool by spraying with water if exposed to fire.

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on protective equipment before entering danger area. Wear protective gloves/protective clothing/eye protection/face protection.

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Do not allow contact with soil, surface or ground water.

Do not allow uncontrolled discharge of product into the environment.

6.3. Methods and material for containment and cleaning up

Cover spills with inert absorbent material. Transfer to a container for disposal or recovery.

6.4. Reference to other sections

None

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. Do not mix with acids.

7.2. Conditions for safe storage, including any incompatibilities

Storage temperature No smoking.

Keep in properly labelled containers.

Observe label precautions.

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

7.3. Incompatible materials

Contact with acids liberates very toxic gas.

7.4. Specific end use(s)

Precipitant

SECTION 8. Exposure controls/personal protection

8.1. Occupational Exposure Limits

SUBSTANCE.	CAS No.	(8hr TWA)		STEL		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
Hydrogen sulfide (H ₂ S)	7783-06-4	—				
Sodium Dimethyl Dithiocarbamate	148-18-5	—	—	—	—	—

^ once, only if no other meas. exp. occurs

8.2. Engineering measures

Ensure that the eye flushing systems and safety showers are located close to the working place.

8.3. Personal protection equipment

Eye/face protection

Safety glasses with side-shields Tightly fitting safety goggles. Face-shield.

Skin protection (Hand protection/ Other)

The following to be used as necessary:Gloves (Neoprene or Natural rubber). Chemical protection suit. Wear safety or chemical resistant shoes or boots. Check with protective equipment manufacturer's data.

Respiratory protection

Normally no personal respiratory protection is necessary. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Use NIOSH approved respiratory protection.'

Thermal hazards

Not normally required. Use gloves with insulation for thermal protection, when needed. Environmental Exposure Controls Collect all precipitate. Disposal should be in accordance with local, state or national legislation.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Warm Liquid
Color.	Light Red
Odor	Slight Sulfur
Odor Threshold (ppm)	Not available
pH (Value)	12.0 – <12.5
Melting Point (°C) / Freezing Point (°C) ca.	0 (32 °F)
Boiling point/boiling range (°C): ca.	100 (200 °F)
Flash Point (°C)	Non-combustible / Non-flammable
Evaporation Rate	Similar to Water
Flammability (solid, gas)	Not applicable
Explosive Limit Ranges	Not applicable
Vapor pressure (Pascal)	Similar to water

Vapor Density (Air=1)	Similar to water
Solubility (Water)	Miscible
Solubility (Other)	Not available
Partition Coefficient (n-Octanol/water)	Not available
Auto Ignition Point (°C)	Non-combustible / Non-flammable
Decomposition Temperature (°C)	Not available
Kinematic Viscosity	Similar to Water
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
Other information	Not available

SECTION 10. Stability and reactivity

10.1. Reactivity

Stable under normal conditions

10.2. Possibility of hazardous reactions

Stable under recommended storage conditions.

10.3. Conditions to avoid

Incompatible materials.

Incompatible materials

Acids

Hazardous decomposition product(s)

Hydrogen sulfide gas.

SECTION 11. Toxicological information

Exposure routes: Skin Contact, Eye Contact

11.1. Substances in preparations / mixtures

Acute toxicity	Oral: LD50 - Not determined
Dermal:	LD50 - Not determined
Inhalation:	LC50 – Not Determined
Irritation/Corrosivity	Causes skin irritation. Causes serious eye damage.
Sensitization	No information available
Repeated dose toxicity	No information available
Carcinogenicity	No data. It is unlikely to present a carcinogenic hazard to man.

NTP	IARC	ACGIH	OSHA	NIOSH
No.	No.	No.	No.	No.

Mutagenicity No information available

Toxicity for reproduction No information available

SECTION 12. Ecological information

12.2. Ecotoxicity

Short term No data available- (Ceriodaphnia dubia; water flea)
 No data available- (Daphnia mangna; water flea)
 No data available- (Pimephales promelas; fathead minnow)

Long Term Not available

12.3. Persistence and degradability

Not available

12.4. Bioaccumulative potential

The product has low potential for bioaccumulation.

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 (US DOT)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN number	NOT CLASSIFIED AS DANGEROUS FOR TRANSPORT		
Proper shipping name			
Transport hazard class(es)			
Packing group			
Hazard label(s)			
Environmental hazards			
Special precautions for user			

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 polymer exempt.

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

Chemical Name	CAS No.	Typical weight %	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 Weight %
Sodium dimethyldithiocarbamate	128-04-1	40

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

Chemical name	CAS No.	Typical weight %	TPQ (pounds)
None	-	-	-

California Proposition 65 List:

Chemical name	CAS No.	Type of toxicity
None	-	-

SECTION 16. Other information

NFPA RATING (for fire conditions):

Health=1

Flammability=0

Reactivity=0

Protective Equipment=D

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

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

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.