

MATERIAL SAFETY DATA SHEET

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SECTION 1: PRODUCT and COMPANY IDENTIFICATION

PRODUCT NAME: Tramfloc ® 920
PRIMARY FUNCTION: Precipitant
CHEMICAL FAMILY: Metal Sulfide
CHEMICAL NAME: Hydropolysulfide, carbonothioylbis-disodium salt

MANUFACTURER:

Tramfloc, Inc.
P.O. Box 350
Tempe, AZ 85280 USA
PHONE: 480-491-6895

EMERGENCY 24/7 CONTACT:

CHEMTREC PHONE: 1- 800-424-9300

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT</u>	<u>(CAS #)</u>	<u>%WT</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>OTHER</u>
Hydropolysulfide, carbonothioylbis-disodium salt	(128578-22-3)	<50	N/D	N/D	
Sodium Hydroxide	(1310-73-2)	<15	2 mg/m3	2 mg/m3	

Other components may be blended in this formulation. The precise composition is proprietary. Bona fide requests for disclosure to medical personnel must be made in accordance with the procedures in 29 CFR 1910.1200(i) 1-13. This material is classified as hazardous under OSHA regulations.

SECTION 3: HAZARDS IDENTIFICATION

EYES: May cause irritation and redness.
SKIN: May cause skin irritation.
INGESTION: See Section 4 below.
INHALATION: Mist or spray may cause irritation if inhaled.

SECTION 4: FIRST AID MEASURES

EYES: Flush eyes gently with water for at least 15 minutes while holding eyelids apart. Seek medical attention immediately.
SKIN: Remove contaminated clothing and shoes and flush affected area with water for at least 15 minutes. Wash with soap and water. If irritation persists seek medical attention. Wash or discard contaminated clothing and shoes.
INGESTION: Immediately rinse mouth with water. Do not induce vomiting. Drink milk or water to dilute. If vomiting occurs, drink more liquids. Seek medical attention
INHALATION: If respiratory distress occurs, get into fresh air and, if needed, administer oxygen and start CPR. Seek medical attention.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT: N/A
EXTINGUISHING MEDIA: Use dry chemical, foam or carbon dioxide.
SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus while extinguishing fire.
UNUSUAL FIRE AND EXPLOSION HAZARDS: May ignite when in contact with combustible materials. Do not depend on ambient air for air supply during fires. Fire may result in release of toxic gases such as oxides of carbon, nitrogen and sulfur.

SECTION 6: ACCIDENTAL RELEASE MEASURES

SMALL SPILLS: Soak up spills with absorbent material and scoop into drums.

LARGE SPILLS: Soak up spills and scoop into drums.

WASTE DISPOSAL METHOD: Neutralize raw material before disposing in accordance with local, state and federal regulations.

SECTION 7: HANDLING and STORAGE

HANDLING AND STORAGE: Protect drum from damage, freezing and intense heat.

OTHER PRECAUTIONS: Do not swallow. Wear protective eye goggles, gloves, boots and clothing.

SECTION 8: EXPOSURE CONTROLS and PERSONAL PROTECTION

EYE PROTECTION: Wear chemical splash-proof goggles

PROTECTIVE GLOVES: Wear alkaline resistant gloves.

RESPIRATORY PROTECTION: None normally required.

VENTILATION: Always store and use all chemicals in well ventilated areas.

OTHER PROTECTIVE EQUIPMENT: Wear protective clothing and rubber boots suitable for protection from alkaline products. Provide eye wash and safety shower stations.

SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

BOILING POINT: >212°F/100°C

SPECIFIC GRAVITY: 1.175 – 1.195

EVAPORATION RATE: N/D

VAPOR DENSITY: N/D

VAPOR PRESSURE: N/D

SOLUBILITY IN WATER: Complete

pH of NEAT SOLUTION: 13.00 – 13.75

APPEARANCE/ODOR: Dark brown to black liquid; slight odor

SECTION 10: STABILITY and REACTIVITY

STABILITY: Stable

HAZARDOUS POLYMERIZATION: None known

INCOMPATIBILITY (MATERIALS TO AVOID): Lithium, steel, acids

HAZARDOUS DECOMPOSITION PRODUCTS: Fumes of SO_x , H_2S

SECTION 11: TOXICOLOGICAL INFORMATION

CHRONIC EFFECTS AND MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: None noted.

SPECIAL NOTE: None of the components in this product are considered a carcinogen by OSHA, NTP or IARC.

SECTION 12: ECOLOGICAL INFORMATION

Not determined.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with federal, state, and local environmental laws.

SECTION 14: TRANSPORT INFORMATION

DOT Proper Shipping Name: Corrosive liquid, basic, inorganic, n.o.s. (contains sodium hydroxide), 8, UN 3266, Pg III

SECTION 15: REGULATORY INFORMATION

FEDERAL EPA

Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA):

Requires notification to the National Response Center of releases of quantities of Hazardous Substances equal to or greater than the reportable quantities (RQ) in 40 CFR 302.4. Components present in this product at a level which would require reporting under the statute are:

<u>Chemical</u>	<u>CAS Number</u>	<u>RQ</u>
NONE		

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III:

Requires emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQ) in 40 CFR 355 (SARA 302, 304, 311 and 312) Components present in this product at a level which could require reporting under the statute are: NONE

Toxic Substances Control Act (TSCA) Status:

All components of this product are on the TSCA inventory

EPA Priority Pollutants: NONE

RCRA Hazard Class: Dispose of in accordance with local, state and federal regulations.

SECTION 16: OTHER INFORMATION

HMIS RATINGS: Health=1, Flammability=0, Reactivity=0

HMIS HAZARD INDEX: 0=MINIMAL, 1=SLIGHT, 2=MODERATE, 3=SERIOUS, 4=SEVERE

LEGEND:

CAS Chemical Abstract Number
CERCLA Comprehensive Environmental Response, Compensation and Liability Act
CFR Code of Federal Regulations
DOT Department of Transportation
HMIS Hazardous Materials Identification System
IARC International Agency for Research on Cancer
MSDS Material Safety Data Sheet
N/A Not Applicable
N/D Not Determined
NTP National Toxicity Program
OSHA Occupational Safety and Health Administration
PEL Permissible Exposure Limit
SARA Superfund Amendments and Reauthorization Act
TSCA Toxic Substance Control Act
TLV Threshold Limit Value

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.