

MATERIAL SAFETY DATA SHEET

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PAGE 1 OF 3

SECTION 1: PRODUCT and COMPANY IDENTIFICATION

PRODUCT NAME: Tramfloc® 903
PRIMARY FUNCTION: METAL PRECIPITANT
CHEMICAL NAME: Hydropolysulfide, carbonothioylbis-,disodium salt. CAS# 128578-22-3
CHEMICAL FAMILY: Organic Sulfur

MANUFACTURER:

Tramfloc, Inc.
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SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	(CAS #)	OSHA PEL (PPM)	ACGIH TLV (PPM)	OTHER
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The components of this formulation and 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.

While this material is not classified as hazardous under OSHA regulations, this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available to all users of this product.

SECTION 3: HAZARDS IDENTIFICATION

EYES: May cause irritation and redness.
SKIN: Prolonged contact with 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.
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: Not Applicable – water solution.
EXTINGUISHING MEDIA: Not Applicable – water solution
SPECIAL FIRE FIGHTING PROCEDURES: None
UNUSUAL FIRE AND EXPLOSION HAZARDS: None

SECTION 6: ACCIDENTAL RELEASE MEASURES

SMALL SPILLS: Soak up with an absorbent and shovel into a waste container.

LARGE SPILLS: Contain spill and recover liquid for reprocessing or disposal

WASTE DISPOSAL METHOD: Dispose of 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: 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 boots suitable for protection from alkaline products. Provide eye wash and safety shower stations.

SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

BOILING POINT: 212°F

SPECIFIC GRAVITY: 1.04 – 1.06

EVAPORATION RATE: Not Determined

VAPOR DENSITY: Not Determined

VAPOR PRESSURE: Not Determined

SOLUBILITY IN WATER: Complete

pH of NEAT SOLUTION: 12.0 – 12.5

APPEARANCE/ODOR: Warm Red Liquid, Sulfur Odor

SECTION 10: STABILITY and REACTIVITY

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizing agents or mineral acids.

HAZARDOUS DECOMPOSITION PRODUCTS: None Known

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.

TOXICITY TESTS resulted in the following LC₅₀ values after 48-hour static acute toxicity tests: Rainbow Trout @ 33.0 mg/l; Bluegill Sunfish @ 35.0 mg/l.

SECTION 12: ECOLOGICAL INFORMATION

No data.

SECTION 13: DISPOSAL CONSIDERATIONS

This product, in its neat form, is not considered hazardous. After use in treating wastewaters or groundwaters, the characteristics of the treated solution will dictate the proper disposal in accordance with local, state and Federal regulations.

SECTION 14: TRANSPORT INFORMATION

Non-regulated material.

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: If discarded neat - non-hazardous.

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
HMIS Hazardous Materials Identification System
IARC International Agency for Research on Cancer
MSDS Material Safety Data Sheet
N/A Not Applicable
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 accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.