

MATERIAL SAFETY DATA SHEET

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SECTION I: GENERAL INFORMATION

PRODUCT NAME: Tramfloc® 909
PRODUCT CLASS: PRECIPITANT
FREIGHT CLASSIFICATION: 60
PRIMARY CHEMICAL FAMILY: Organic Sulfur
CHEMICAL NAME: Hydropolysulfide, carbonothioylbis-,disodium salt. CAS# 128578-22-3
HMIS RATINGS: Health=1, Flammability=0, Reactivity=0

SECTION II: COMPOSITION, INFORMATION ON INGREDIENTS

INGREDIENT	CAS # (PPM)	ACGIH TLV	% by Weight
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Proprietary blend of non-hazardous ingredients.

SECTION III: PHYSICAL/CHEMICAL DATA

BOILING POINT: 212° F.
SPECIFIC GRAVITY: 1.140 - 1.150
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: Red Liquid, Slight Odor

SECTION IV: FIRE AND EXPLOSION DATA

FLASH POINT: Not Applicable - water solution
EXTINGUISHING MEDIA: Not Applicable - water solution
SPECIAL FIRE FIGHTING PROCEDURES: None
UNUSUAL FIRE AND EXPLOSION HAZARDS: None

SECTION V: HEALTH HAZARD DATA EFFECTS OF OVEREXPOSURE - EMERGENCY & FIRST AID PROCEDURES

EYES: May cause irritation and redness and burning. Flush eyes gently with water for at least 15 minutes while holding eyelids apart. Seek medical attention immediately.
SKIN: May cause irritation and burns. 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: Mist or spray may cause irritation if inhaled. If respiratory distress occurs, get into fresh air and, if needed, administer oxygen and start CPR. Seek medical attention.
CHRONIC EFFECTS AND MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: Irritation to respiratory passages.
SPECIAL NOTE: The components in this product are not considered a carcinogen by OSHA, NTP or IARC.

SECTION VI: REACTIVITY DATA

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur.

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

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

SECTION VII: TOXICOLOGICAL INFORMATION

The following are LC₅₀ values from 48-hour static acute toxicity tests:

Daphnia Magna (water flea)	56.0 ppm
Pimephales Promelas (fathead minnow)	15.8 ppm

SECTION VIII: SPILL, LEAK, AND DISPOSAL PROCEDURES

SMALL SPILLS: Soak up with an absorbent and shovel into 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 IX: PROTECTIVE MEASURES

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 eyewash and safety shower stations.

SECTION X: SPECIAL PRECAUTIONS

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

OTHER PRECAUTIONS: Wear protective eye goggles, gloves, boots and clothing.

SECTION XI: 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 - non-hazardous.

OTHER INFORMATION

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.