

MATERIAL SAFETY DATA SHEET

TRAMFLOC, INC. P. O. BOX 350 TEMPE, AZ 85280 Phone: 480-491-6895 - Fax: 480-456-1664	EMERGENCY TELEPHONE NUMBER: CHEMTREC 800-424-9300 DATE OF ISSUE: 03/04/03 DATE OF LATEST REVISION: 08/06/12
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SECTION I: GENERAL INFORMATION

PRODUCT NAME: Tramfloc® 908 Metal Precipitant
PRODUCT CLASS: Precipitant
PRIMARY CHEMICAL FAMILY: Metal Sulfide
HMIS RATINGS: Health=1, Flammability=0, Reactivity=0
HMIS HAZARD INDEX: 0=MINIMAL, 1=SLIGHT, 2=MODERATE, 3=SERIOUS, 4=SEVERE

SECTION II: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT (CAS #)	% (by weight)	OSHA PEL (PPM)	ACGIH TLV (PPM)	LIMITS (RQ)
Hydro polysulfide, carbonothioylbis-, disodium salt (128578-22-3)	<50	N/D	N/D	N/D
Sodium Hydroxide (1310-73-2)	<15	2 mg/m3	2 mg/m3	

Other ingredients are 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.

SECTION III: PHYSICAL/CHEMICAL DATA

BOILING POINT: >212° F/100° C
SPECIFIC GRAVITY: 1.300 – 1.375
EVAPORATION RATE: Not determined
VAPOR DENSITY: Not determined
VAPOR PRESSURE: Not determined
SOLUBILITY IN WATER: Complete
pH of NEAT SOLUTION: 13.00 – 13.75
APPEARANCE/ODOR: Dark Brown to Black Liquid/Slight Odor

SECTION IV: FIRE AND EXPLOSION DATA

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 into release of toxic gases such as oxides of carbon, nitrogen and sulfur.

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

EYES: May cause irritation and redness. Flush eyes gently with water for at least 15 minutes while holding eyelids apart. Seek medical attention.
SKIN: May cause irritation. 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 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: Unknown
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: None Known

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

HAZARDOUS DECOMPOSITION PRODUCTS: Fumes of SO_x, H₂S

SECTION VII: SPILL, LEAK, AND DISPOSAL PROCEDURES

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

LARGE SPILLS: Soak up spills and scoop into drums.

WASTE DISPOSAL METHOD: Non-hazardous waste. Dispose of in accordance with local, state and federal regulations.

SECTION VIII: 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 eye wash and safety shower stations.

SECTION IX: SPECIAL PRECAUTIONS

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

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

SECTION X: REGULATORY INFORMATION

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

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

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