

# MATERIAL SAFETY DATA SHEET

## SECTION 1 - CHEMICAL PRODUCT and COMPANY IDENTIFICATION

PRODUCT NAME: TRAMFLOC® 902

DATE ISSUED: 06/01/03

SUPERSEDES: 05/07/99

DESCRIPTION: Solution polymer, partially neutralized.

### COMPANY IDENTIFICATION:

Tramfloc, Inc.

P. O. Box 350

Tempe, AZ 85280-0350

480-491-6895

EMERGENCY TELEPHONE: 24 hours a day, 7 days a week

CHEMTREC 1-800-424-9300

## SECTION 2 - COMPOSITION/INFORMATION on INGREDIENTS

CHEMICAL NAME	WT/WT % EQUAL TO	CAS NUMBER
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This product is not considered hazardous in accordance with OSHA Federal regulation CFR 1910.1200.

## SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW - Amber colored liquid with slight organic odor. Spills are very slippery. Avoid contact with skin eyes and clothing.

### POTENTIAL HEALTH EFFECTS

EFFECTS OF OVEREXPOSURE - EYE CONTACT: Prolonged or repeated eye contact may cause irritation.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: Prolonged or repeated skin contact may cause irritation.

EFFECTS OF OVEREXPOSURE - INHALATION: None expected.

EFFECTS OF OVEREXPOSURE - INGESTION: May be cause digestive tract irritation.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: None known.

PRIMARY ROUTE OF ENTRY- Skin contact.

## SECTION 4 - FIRST AID MEASURES

INHALATION: Remove patient to fresh air.

SKIN: Flush immediately with soap and water for at least 15 minutes.

EYE CONTACT: Flush with water at least 15 minutes with eyelids open. Call a physician.

INGESTION: Material is not expected to be harmful by ingestion. If swallowed, do not induce

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vomiting. Give victim a glass of water. Consult a physician. Never give anything by mouth to an unconscious person.

## **SECTION 5 - FIRE-FIGHTING MEASURES**

FLASHPOINT: >212<sup>0</sup> F, Closed Cup.

FLAMMABILITY: None; AUTO FLAMMABILITY: None

EXPLOSIVE LIMITS:

LOWER: Not applicable; UPPER: Not applicable. EXPLOSION HAZARD- None

EXTINGUISHING MEDIA: Not expected to burn unless heated to dryness. Residue may ignite. Use water, foam, carbon dioxide or dry chemical to extinguish.

EXTINGUISHING MEDIA WHICH MUST NOT BE USED: None.

SPECIAL EXPOSURE HAZARDS IN A FIRE: In a fire may liberate oxides of nitrogen, carbon or hydrogen chloride. Keep containers cool by spraying with water if exposed to fire.

SPECIAL PROTECTIVE EQUIPMENT: Self-contained breathing apparatus should be worn.

## **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

ENVIRONMENTAL PRECAUTIONS: Avoid runoff into storm sewers and ditches.

METHODS FOR CLEANUP: Recycle if possible. If not, dike and absorb spill with inert materials such as clays, sand, earth, or other commercially available dry sweeping compound, and collect for disposal in accordance with federal, state, local or other applicable laws and regulations. Large spills should be contained and pumped into salvage tanks. Product may cause a slip hazard. Do not flush with water. If slippery conditions persist, apply more dry sweeping compound.

## **SECTION 7 - HANDLING AND STORAGE**

HANDLING: Keep containers closed. Avoid contact with eyes, skin and clothing.

STORAGE: Avoid storage temperatures <45<sup>0</sup> F and >75<sup>0</sup> F.

## **SECTION 8 - EXPOSURE CONTROLS/ PERSONAL PROTECTION**

ENGINEERING CONTROLS: General ventilation is adequate in the absence of ducts. recommended. Eyewash and safety shower stations are recommended. Local exhaust if misting occurs.

EXPOSURE GUIDELINES: No MAC values have been established.

PERSONAL PROTECTIVE EQUIPMENT: See below

RESPIRATORY PROTECTION: In case of insufficient ventilation wear suitable respiratory equipment. If significant vapors, mists, or aerosols are present, use NIOSH approved respirator (ANSI Z 882.1980) or equivalent

HAND PROTECTION: Wear impervious gloves.

EYE PROTECTION: Wear chemical splash goggles or face mask. Do not wear contact lenses.

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SKIN PROTECTION: If clothing is contaminated, wash skin and launder clothing. Wear coveralls, chemical apron and rubber boots.

NOTE: Before eating, drinking or smoking, wash face and hands thoroughly with soap and water.

## **SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES**

PHYSICAL STATE, COLOR and ODOR: Amber colored liquid with slight organic odor.

pH as is: 3.7-4.7; BOILING POINT/RANGE: >212<sup>0</sup>F; MELTING POINT/RANGE: <27 - 32<sup>0</sup>F

FLASH POINT: >212<sup>0</sup>F; VAPOR PRESSURE: 58 mm @ 38<sup>0</sup>C; SPECIFIC GRAVITY: 1.19-1.22

WATER SOLUBILITY: Completely soluble

OCTANOL/WATER PARTITION COEFFICIENT: K<sub>ow</sub> <10; VISCOSITY: <1000 cps

## **SECTION 10 - STABILITY and REACTIVITY**

CHEMICAL STABILITY: Stable; CONDITIONS TO AVOID: None.

MATERIALS TO AVOID: Strong oxidizers, iron, mild steel, copper, copper alloys or aluminum.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon.

## **SECTION 11 -TOXICOLOGICAL INFORMATION**

ACUTE TOXICITY: Acute Oral Toxicity (Albino Rat) LD<sub>50</sub> = > 5000 mg/kg

Acute Dermal Toxicity(Albino Rabbit) LD<sub>50</sub> = >2000 mg/kg.

IRRITANCY: Skin: Draize rating (Albino Rabbit) = 0.1/8.0 (non-irritating)

Eye: Draize rating (Albino Rabbit) = 9.0/110.0.

Some initial conjunctive blistering was noted in 3 of 6 animals but, this condition completely disappeared by the end of the observation period.

SUBACUTE AND PROLONGED TOXICITY: Not known. SENSITIZATION: None known.

EMPIRICAL DATA ON EFFECTS ON HUMANS: No studies known.

## **SECTION 12 - ECOLOGICAL INFORMATION**

PERSISTENCE IN THE ENVIRONMENT: Not available.

### **AQUATIC TOXICITY:**

Bluegill Sunfish (*Lepomis Macrochirus*), 96-Hour LC<sub>50</sub>: 0.14 mg/l

Rainbow Trout (*Oncorhynchus Mykiss*), 96-Hour LC<sub>50</sub>: 0.22 mg/l

Water Flea (*Daphnia Magna*), 48-Hour EC<sub>50</sub>: 0.14 mg/l

Fathead Minnow (*Pimephales promelas*), 96-Hour LC<sub>50</sub>: 0.4 mg/l

OTHER INFORMATION: Discharge of this product must be in accordance with all federal, state, local or other applicable laws and regulations.

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### **SECTION 13 - DISPOSAL CONSIDERATIONS**

DISPOSAL METHOD: Recycle if possible. If not, absorb spilled material on inert absorbent and dispose of solidified material in accordance with federal, state, local or other applicable laws and regulations.

### **SECTION 14 - TRANSPORTATION INFORMATION**

Non-Hazardous, Non-Regulated

### **SECTION 15 - REGULATORY INFORMATION**

U. S. FEDERAL REGULATIONS:

CERCLA-SARA Hazard Category:

No SARA Section 313 components exist in this product.

### **INVENTORY INFORMATION**

EEC EINECS: All components of this product are included on the European Inventory of Existing Chemical Substances (EINECS) in compliance with Council Directive 67/548/EEC as amended.

US TSCA: This product is manufactured in compliance with all provisions of the Toxic Substances Control Act, 15 U.S.C.

CANADA DSL: Components of this product have been reported to Environment Canada in accordance with subsection 25 of the Canadian Environmental Protection Act and are included on the Domestic Substances List.

### **SECTION 16 - OTHER INFORMATION**

HMIS RATINGS: HEALTH: 1; FLAMMABILITY: 0; REACTIVITY: 1

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 assume 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.