

MATERIAL SAFETY DATA SHEET

SECTION 1 - CHEMICAL PRODUCT and COMPANY IDENTIFICATION

PRODUCT NAME: TRAMFLOC® 902

DATE ISSUED: 03 /01/12
SUPERSEDES: 05/07/99

DESCRIPTION: Anionic polyacrylate solution dispersant for struvite control and belt cleanliness.

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	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 - Clear to translucent 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 vomiting.

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

SECTION 5 - FIRE-FIGHTING MEASURES

FLASHPOINT: NA.

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° F and >75° 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: Clear to translucent liquid with slight organic odor.

pH as is: 7.0-7.5; BOILING POINT/RANGE: >212⁰F; FREEZE POINT: 32⁰F; MELTING POINT/RANGE: NA

FLASH POINT: NA; VAPOR PRESSURE: ND; SPECIFIC GRAVITY: 1.3

WATER SOLUBILITY: Completely soluble

OCTANOL/WATER PARTITION COEFFICIENT: K_{ow} <10; VISCOSITY: 100-400 cps

SECTION 10 - STABILITY and REACTIVITY

CHEMICAL STABILITY: Stable; CONDITIONS TO AVOID: None.

MATERIALS TO AVOID: Strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon.

SECTION 11 -TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: This product is not expected to be toxic.

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:

Fish: Danio Rerio LC₅₀, 96-Hour > 100 mg/L (OECD 203)

Algae: IC₅₀, Scenedesmus subspicatus/72 hr > 100 mg/L (OECD201)

Daphnia: EC₅₀, Daphnia magna/48 hr > 100 mg/L (OECD202)

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, Class NOI

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 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.