

# MATERIAL SAFETY DATA SHEET

## SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAMES: Tramfloc® 1200 Series of Phosphate Formulations

DATE ISSUED: 06/01/03

SUPERSEDES: 05/07/99

DESCRIPTION: Stabilized blend of long chain phosphates.

### 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

## FIRST AID MEASURES

Handle in accordance with good industrial hygiene and safety practices. These practices include unnecessary exposure and removal of the material from eyes, skin and clothing.

## HAZARDS INFORMATION

### HEALTH

INHALATION: No known risk of overexposure

INGESTION: Ingestion of Tramfloc® 1200 Series products may cause nausea. Ingestion of Tramfloc® 1200 Series as recommended in potable water presents no known risk of overexposure.

SKIN: Possible irritation of exposed tissue due to individual sensitivity.

EYES: Possible irritation to eyes if exposed to Tramfloc® 1200 Series due to individual sensitivity.

## FIRE AND EXPLOSION

FLASH POINT: None

AUTO IGNITION TEMPERATURE: None

FLAMMABLE LIMITS: N/A

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

## PRECAUTIONS AND PROCEDURES

Fire extinguishing agents recommended: This product is an aqueous solution. Even after the water boils off, the byproducts present minimal hazards. Fire extinguishing agents to avoid: N/A; Special fire fighting precautions: None

Ventilation: Standard general ventilation is sufficient.

Normal handling: To avoid individual sensitivity to material, wear gloves and protective clothing when handling.

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Storage: Store in a cool, dry place. Keep container tightly closed during transport and storage.

Spill or leak: no product is a hazardous waste. Mop up spill and pour waste solution down the drain.

Special Precautions/Procedures/Label Instructions: None

## **PERSONAL PROTECTIVE EQUIPMENT**

Wear gloves and protective clothing to protect against individual sensitivities to Tramfloc® 1200 Series products.

## **PHYSICAL DATA**

Material is liquid at STP; Appearance and color: Clear to slight haze without odor or white free flowing granules  
Specific gravities vary for each of the 50 formulations in this series from 1.30-1.80.

Boiling point: 220<sup>0</sup> Fahrenheit; Vapor density: N/A; Solubility in water: 100%; pH of a 1% solution: 6.0 +/-0.3

## **REACTIVITY**

Stability: Stable

Conditions to avoid: None

Incompatibility (materials to avoid): None

Hazardous decomposition products: None

Hazardous polymerization: Will not occur

Conditions to avoid: Not established

## **HAZARDOUS INGREDIENTS (MIXTURES ONLY)**

None

## **ENVIRONMENTAL**

No phosphate component of Tramfloc® 1200Series has tested worse than:

96-hour LC 50 Bluegill: 6500 ppm practically non-toxic.

96-hour LC 50 Trout: 3200 ppm practically non-toxic.

**EPA HAZARDOUS:** No

**WASTE DISPOSAL METHODS:** Sanitary sewer

**RCRA STATUS:** Not hazardous

## **REFERENCES**

Registry of Toxic Effects of Chemical Substances. National Institute of Occupational Safety and Health.

Merck Index, Tenth Edition.

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.