

MATERIAL SAFETY DATA SHEET

SECTION 1 - CHEMICAL PRODUCT and COMPANY IDENTIFICATION

PRODUCT NAME: TRAMFLOC® 1176

DATE ISSUED: 06/01/03

SUPERSEDES: 05/07/99

DESCRIPTION: Oil based defoamer, 100% activity; For petroleum system foam control.

COMPANY IDENTIFICATION:

Tramfloc, Inc.

P. O. Box 350

Tempe, AZ 85280-0350 Telephone: 480-491-6895

EMERGENCY TELEPHONE: 24 hours a day, 7 days a week; CHEMTREC, 800-424-9300

SECTION 2 - COMPOSITION/INFORMATION on INGREDIENTS

CAS No.	Chemical Identity
64742-58-1	Petroleum oil; TWA = 5; LD >15000
64742-62-7	Residual oil; TWA = 5; LD N. Av.

This product is considered hazardous according to OSHA 1910.1200. Not a SARA section 312 hazard class.

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW - Avoid contact with skin, eyes and clothing. May cause eye irritation.

EFFECTS OF OVEREXPOSURE - EYES: Contact is not expected to cause irritation.

EFFECTS OF OVEREXPOSURE - SKIN: Not expected to cause irritation. No significant skin absorption hazard.

EFFECTS OF OVEREXPOSURE - INHALATION: High concentrations of vapor or mist may be irritating to the respiratory tract.

EFFECTS OF OVEREXPOSURE - INGESTION: May cause abdominal discomfort, nausea, and diarrhea. Aspiration into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possible death.

EFFECTS OF OVEREXPOSURE - SENSITIZATION PROPERTIES: Unknown.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: No adverse affects have been documented in humans as a result of chronic exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Individuals with preexisting lung and skin disorders may have increased susceptibility to the effects of exposure.

SECTION 4 - FIRST AID MEASURES

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INHALATION: If inhaled, remove to fresh air. If not breathing, clear person's airway and seek qualified medical personnel in order to administer oxygen. Get medical attention at once.

SKIN: Remove contaminated clothing and launder before reuse. Wash effected area with soap and water for at least 15 minutes or until all traces of material are removed. Get medical attention if skin irritation develops or skin contact has been prolonged.

EYES: Immediately flush with plenty of water for at least 15 minutes with eyelids open. Call a physician.

INGESTION: Do not induce vomiting. If spontaneous vomiting occurs, keep head below to avoid aspiration into lungs.

SECTION 5 - FIRE-FIGHTING MEASURES

IGNITION TEMPERATURE - AIT (° F): NA; FLASHPOINT: >200° F COC; FLAMMABLE LIMITS % (Lower - Upper): Lower: ND; Upper: ND

RECOMMENDED FIRE EXTINGUISHING AGENTS AND SPECIAL PROCEDURES:

Use water spray, dry chemical, foam or CO₂ to extinguish flames. Use water spray to cool fire-exposed containers.

SPECIAL PROTECTIVE EQUIPMENT: Wear full protective clothing and positive pressure breathing apparatus.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

PROCEDURES IN CASE OF ACCIDENTAL RELEASE, BREAKAGE OR LEAKAGE: Contain spill with absorbent materials such as clay and shovel up. Remove all ignition sources. Avoid skin and eye contact.

SECTION 7 - HANDLING AND STORAGE

HANDLING: Minimum feasible handling temperatures should be maintained. Avoid strong oxidants.

STORAGE: Periods of exposure to high temperature, flames and sparks should be minimized.

SECTION 8 - EXPOSURE CONTROLS/ PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT (Type):

EYE/FACE PROTECTION: Avoid eye contact. Chemical type goggles, or face shield should be worn.

SKIN PROTECTION: Launder when work clothing is soiled. Workers should wash exposed skin several times daily with soap and water.

RESPIRATORY PROTECTION: Airborne concentrations should be kept to lowest levels possible. If vapor, mist, or dust is generated and the occupational exposure limit of the product, or any component of the product, is exceeded, use appropriate NIOSH or MSHA approved air purifying or air supplied respirator after determining the airborne concentration of the contaminant. Air supplied respirators should always be worn when airborne

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concentration of the contaminant or oxygen content is unknown.

VENTILATION: Adequate to meet component occupational exposure limits.

EXPOSURE LIMIT FOR THE TOTAL PRODUCT: None established.

SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

PHYSICAL STATE, COLOR and ODOR: Opaque, cream colored liquid with mild petroleum odor.

BOILING POINT: >212⁰ F MELTING/FREEZING POINT: ND ; FLASH POINT: >200⁰ F

SPECIFIC GRAVITY: 0.87 @ 77⁰ F VAPOR PRESSURE: ND. VAPOR DENSITY (Air=1): > Air

VISCOSITY: 192 cSt at 77⁰ F; VOC CONTENT: ND; SOLUBILITY IN WATER: Insoluble; OTHER: None

SECTION 10 - STABILITY and REACTIVITY

PRODUCTS EVOLVED WHEN SUBJECTED TO HEAT OR COMBUSTION: Toxic levels of carbon monoxide and dioxide.

HAZARDOUS POLYMERIZATIONS: DO NOT OCCUR.

SECTION 11 -TOXICOLOGICAL INFORMATION

(Animal Toxicity Data)

ORAL: LD50 ND; INHALATION: ND; DERMAL: ND

SECTION 12 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS: This product has been evaluated for RCRA characteristics and does not meet the criteria of a hazardous waste if discarded in its purchased form. Under RCRA, it is the responsibility of the user of the product to determine at the time of disposal, whether the product meets RCRA criteria for hazardous wastes. This is because product uses, transformations, mixtures, processes, etc. may render the resulting materials hazardous.

SECTION 13 - TRANSPORTATION INFORMATION

DOT: PROPER SHIPPING NAME: Not regulated(NR). HAZARD CLASS: NR

IDENTIFICATION NUMBER: NR PACKING GROUP: NR LABEL REQUIRED: NR

Spills of this product do not require reporting under SARA 304 and/ or CERCLA 102(A) regulations.

IMDG: PROPER SHIPPING NAME: Not Evaluated(NE)

ICAO: NE; TDG: NR HAZARD CLASS: NR IDENTIFICATION NUMBER: NR LABEL REQUIRED: NR;

SECTION 14 - REGULATORY INFORMATION

FEDERAL REGULATIONS:

PRODUCT NAME: TRAMFLOC® 1176

SARA Title III: Section 302/304 Extremely Hazardous Substances;

CHEMICAL NAME:	CAS No.	Range in %	TPQ	RQ
None				

Section 311 Hazardous Categorization: Acute X; Section 313 Toxic Chemical, Chemical Name: None

CERCLA 102 (a)/DOT Hazardous Substances:

CHEMICAL NAME:	CAS No.	Range in %	RQ
None			

States Right-to-Know Regulations: Chemical Name: None State Right-to-Know

State list: CT, FL, IL, MI, LA, MA, NJ, PA, RI

California Prop. 65: The following detectable components of this product are substances, or belonging to classes of substances, known to the State of California to cause cancer and/or toxicity.

CHEMICAL NAME:	CAS No.
None	

INTERNATIONAL REGULATIONS:

TSCA INVENTORY STATUS: This product, or its components, are listed on, or are exempt from the Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

WHMIS INVENTORY STATUS: NR

CANADIAN INVENTORY STATUS: This product, or its components, are listed on or are exempt from the Canadian Domestic Substance List (DSL).

EINECS INVENTORY STATUS: ND; AUSTRALIAN INVENTORY STATUS: ND
JAPAN INVENTORY STATUS: ND; ENVIRONMENTAL INFORMATION:

AQUATIC TOXICITY: ND. MOBILITY: ND. PERSISTENCE AND BIODEGRADABILITY: ND.
POTENTIAL TO BIOACCUMULATE: ND.

SECTION 16 - OTHER INFORMATION

The information in this data sheet is provided independently of any sale of the product. It is provided for the purpose of hazard communication as part of Tramfloc's product safety program. It is intended only as a guide to the appropriate precautionary handling of the product by a properly trained person. You are encouraged and requested to advise those who may come in contact with such products of the information contained herein. The data relates only to the specific product designated, and does not relate to use of the product in combination with any other material or use of the product in any process. The data is not intended to constitute performance information concerning the product. No express warranty, or implied warranty or merchantability for fitness for a particular purpose is made with respect to the product, its composition, its safety or the information in this data sheet.

To determine the applicability or the effects of law or regulation with respect to the product, the user should consult a legal advisor or the appropriate government agency. Tramfloc, Inc. does not undertake to furnish advice on such matters. No person or organization except a duly authorized Tramfloc, Inc. employee is authorized to provide or make available data sheets for Tramfloc, Inc. Data sheets from unauthorized sources may contain information that is no longer current or accurate. No part of this data sheet may be reproduced or transmitted, in any form, or by any means, without permission in writing from Tramfloc, Inc.