

MATERIAL SAFETY DATA SHEET

SECTION 1 - CHEMICAL PRODUCT and COMPANY IDENTIFICATION

PRODUCT NAMES: TRAMFLOC® 755-9, 762-3, 780-5

DATE ISSUED: 06/01/12
SUPERSEDES: 05/07/99

DESCRIPTION: Methyl polymer with Oxirane

COMPANY IDENTIFICATION:

TRAMFLOC, INC.
P. O. Box 60469
Houston, TX 77205-0469
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
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9003-11-6	Oxirane, methyl polymer
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This product is considered non hazardous as defined in 29CFR1910.1200.

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW - Light colored liquid with a mild odor. Avoid contact with skin eyes and clothing. May cause eye irritation. This product reacts violently with isocyanates.

POTENTIAL HEALTH EFFECTS

EFFECTS OF OVEREXPOSURE - EYES: May cause irritation.

EFFECTS OF OVEREXPOSURE - SKIN: Brief contact is not irritating. Prolonged contact, as with clothing wetted with material, may cause defatting of skin or irritation, seen as local redness with possible mild discomfort. Other than the potential skin irritation effects noted above, acute (short term) adverse effects are not expected from brief skin contact; see other effects, below.

EFFECTS OF OVEREXPOSURE - INHALATION: Product not volatile at ambient temperatures. Vapors or mist in high concentrations, as generated from spraying or heating in an enclosed space, may cause minimal irritation.

EFFECTS OF OVEREXPOSURE - INGESTION: If more than several mouthfuls are swallowed, abdominal discomfort, nausea, and diarrhea may occur.

EFFECTS OF OVEREXPOSURE - SENSITIZATION PROPERTIES: This product is not expected to be a human skin sensitizer based on animal data.

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EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: No adverse effects have been documented in humans as a result of chronic exposure. Section 11 contains applicable animal data.

PRIMARY ROUTE OF ENTRY- Skin, Eyes.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: There is no evidence that this product aggravates an existing medical condition.

SECTION 4 - FIRST AID MEASURES

INHALATION: If irritation, headache, or drowsiness occurs, remove to fresh air.

SKIN: Remove contaminated clothing and launder before reuse. Wash effected area with soap and water for at least 15 minutes. Get medical attention if skin irritation develops or persists.

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

INGESTION: If more than several mouthfuls of this material are swallowed, give two glasses of water. Get medical attention.

SECTION 5 - FIRE-FIGHTING MEASURES

IGNITION TEMPERATURE - AIT (° C): Not applicable.

FLASHPOINT (° C): 232.2 (450 F) (PMCC); UNUSUAL OR EXPLOSIVE HAZARDS: None

FLAMMABLE LIMITS % (Lower - Upper): Lower: Not Determined Upper: Not Determined

EXTINGUISHING MEDIA: Use water spray, dry chemical, foam, or carbon dioxide to extinguish flames. Use water spray to cool fire-exposed containers. Water or foam may cause frothing.

SPECIAL PROTECTIVE EQUIPMENT: Firefighters should wear normal protective gear.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

PROCEDURES IN CASE OF ACCIDENTAL RELEASE, BREAKAGE OR LEAKAGE: Contain spill if possible, contain with absorbent materials such as clay or soil, and shovel up. Avoid skin and eye contact.

SECTION 7 - HANDLING AND STORAGE

HANDLING: Minimum feasible handling temperatures should be maintained.

STORAGE: Periods of exposure to high temperatures should be minimized. Water contamination should be avoided. Store above 72 F (22 C) to prevent crystallization.

SECTION 8 - EXPOSURE CONTROLS/ PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT, EYE/FACE PROTECTION: Safety glasses, chemical type

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goggles, or face shield recommended to prevent eye contact.

SKIN PROTECTION: Workers should wash exposed skin several times daily with soap and water. Soiled work clothing should be laundered.

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 concentration of the contaminant or oxygen content is unknown.

VENTILATION: Local exhaust ventilation recommended if generating vapor, dust, or mist. If exhaust ventilation is not available or inadequate, use MSHA or NIOSH approved respirator as appropriate.

EXPOSURE LIMIT FOR THE TOTAL PRODUCT: None established for product.

SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

PHYSICAL STATE, COLOR and ODOR: Light colored liquid. Mild odor.

pH 7. BOILING POINT: >35° C >95 F MELTING/FREEZING POINT: Not determined.

WATER SOLUBILITY (%): 0.1-1

SPECIFIC GRAVITY: 1.0171 VAPOR PRESSURE: Not determined. VAPOR DENSITY (Air =1): >1 VISCOSITY: 470 cSt at 40° C (104° F) VOC CONTENT: Not determined. OTHER: None

SECTION 10 - STABILITY and REACTIVITY

This product may react violently with isocyanates.

PRODUCTS EVOLVED WHEN SUBJECTED TO HEAT OR COMBUSTION: Toxic levels of carbon monoxide, carbon dioxide, irritating aldehydes and ketones may be formed on burning. Heating in air may produce irritating aldehydes, acids, and ketones.

HAZARDOUS POLYMERIZATIONS: DO NOT OCCUR.

SECTION 11 -TOXICOLOGICAL INFORMATION

(Animal Toxicity Data)

ORAL: LD50 Believed to be >5.00 g/kg (rat) practically non-toxic

INHALATION: Not determined

DERMAL: LD50 Believed to be >2.00 g/kg (rabbit) practically non-toxic

IRRITATION INDEX, ESTIMATION OF IRRITATION (SPECIES)

SKIN: (Draize) Believed to be <.50 /8.0 (rabbit) no appreciable effect. EYES: (Draize) Believed to be >15.00 -25.00 /110 slightly irritating SENSITIZATION: Not determined.

Other: This product may contain residual (less than 100 ppm) concentrations of ethylene oxide. Ethylene oxide causes tumors in laboratory animals.

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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 HAZARD CLASS: Not regulated IDENTIFICATION NUMBER: Not regulated PACKING GROUP: Not regulated LABEL REQUIRED: Not regulated

IMDG: PROPER SHIPPING NAME: Not evaluated; ICAO: PROPER SHIPPING NAME: Not evaluated

TDG: PROPER SHIPPING NAME: Not regulated HAZARD CLASS: Not regulated IDENTIFICATION NUMBER: Not regulated LABEL REQUIRED: Not regulated

SECTION 14 - REGULATORY INFORMATION

FEDERAL REGULATIONS:

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

CHEMICAL NAME: None

Section 311 Hazardous Categorization: Acute X Chronic Fire Pressure Reactive N/A
Section 313 Toxic Chemical; Chemical Name: None

CERCLA 103 (a)/DOT Hazardous Substances: Chemical Name: 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. 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: Not regulated.

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

EINECS INVENTORY STATUS: This product, or its components, are listed on or are exempt from the European Inventory of Existing Chemical Substances (ELINCS).

AUSTRALIAN INVENTORY STATUS: This product, or its components, are listed on or are exempt from the Australian Inventory of Chemical Substances (AICS).

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JAPAN INVENTORY STATUS: This product, or its components, are listed on or are exempt from the Japanese Ministry of International Trade and Industry (MITI).

ENVIRONMENTAL INFORMATION:

AQUATIC TOXICITY: Not determined. MOBILITY: Not determined. PERSISTENCE AND BIODEGRADABILITY: Not determined. POTENTIAL TO BIOACCUMULATE: Not determined.

SECTION 16 - OTHER INFORMATION

IMPORTANT: 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.

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