

MATERIAL SAFETY DATA SHEET

SECTION 1 - CHEMICAL PRODUCT and COMPANY IDENTIFICATION

PRODUCT NAMES: TRAMFLOC® 1109, 1112,-1118, 1143, 1147

DATE ISSUED: 06/01/04

SUPERSEDES: 05/07/00

DESCRIPTION: Emulsion of polydimethylsiloxane fluid and amorphous silicas.

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
Polydimethylsiloxane & amorphous silicas	36-40	Mixture/Trade Secret

Specific Gravity: 0.985-1.032; Boiling point: N/D; Freeze point: 32^o F; Vapor density: greater than air
Solubility in water: Dispersible; Evaporation rate: Slower than butyl acetate; pH: 3.5-4.5; Appearance and odor: Opaque white liquid, N/D; Viscosity: 2,000 cps.

SECTION 3 - HAZARDOUS INGREDIENTS

None Known

NON-HAZARDOUS INGREDIENTS

Emulsion of polydimethylsiloxane fluids and amorphous silicas in water.

SECTION 4 - FIRE & EXPLOSION HAZARD DATA

FLASHPOINT (^o F): Not applicable

Method Used: Not applicable

FLAMMABLE LIMITS IN AIR: LOWER: Not applicable; UPPER: Not applicable.

FLAMMABILITY CLASSIFICATION OSHA: Not applicable; DOT: Not regulated.

EXTINGUISHING MEDIA: Foam, CO₂, water, fog if needed.

FIREFIGHTING PROCEDURES: Use full protective equipment including self-contained breathing apparatus.

FIRE & EXPLOSION HAZARDS: None known.

Exposure to extreme heat builds up pressure in closed containers. Cool with water stream.

SECTION 5 - REACTIVITY DATA

STABILITY: Stable

Product Names: Tramfloc® 1109, 1112,-1118, 1143, 1147

CONDITIONS TO AVOID: None known.

MATERIALS TO AVOID: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Burning may produce carbon monoxide, carbon dioxide and oxides of silicon.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 6 - HEALTH HAZARD DATA

EYES: May be mildly irritating.

SKIN: May cause minor irritation with prolonged or repeated contact.

INHALATION: No acute effects expected.

INGESTION: No evidence of adverse effects from available information.

PRIMARY ROUTES OF ENTRY: NO DERMAL. NO INHALATION. NO INGESTION.

CHRONIC EFFECTS OF OVEREXPOSURE: None known.

SECTION 7 - EMERGENCY & FIRST AID PROCEDURES

EYES: Wash eyes thoroughly with water for a minimum of 15 minutes. If irritation occurs call a physician.

SKIN: Wash contacted skin areas with soap and water. Change soaked clothing.

INHALATION: If irritation occurs remove to fresh air.

INGESTION: No harmful effects expected. May cause some nausea. Consult a physician.

SECTION 8 - SAFE HANDLING & USE INFORMATION

RESPIRATORY PROTECTION: None normally required.

VENTILATION: General (mechanical) room ventilation satisfactory.

EYE PROTECTION: Goggles or safety glasses.

PROTECTIVE GLOVES: Wear general work gloves to minimize skin contact.

OTHER: Eye bath and safety shower.

HYGIENICS: Wash thoroughly with soap and water after handling product.

SECTION 9 - SPILL & LEAK PROCEDURES

Steps To Be Taken If Material Is Released Or Spilled

Dike spill and recover free liquid using solidification and fixation products.

Waste Disposal Method

Dispose of in accordance with applicable Federal, State and Local regulations.

DOT Classification

Not regulated.

SECTION 10 - SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling & Storage

Store at room temperature. Avoid prolonged storage above 110⁰ F. Keep from freezing.

Other Precautions: None.

Product Names: Tramfloc® 1109, 1112,-1118, 1143, 1147

SECTION 11 - REGULATORY INFORMATION

CALIFORNIA PROPOSITION 65

Components present containing listed substances which the State of California has found to cause cancer, birth defects or other reproductive harm which would require a warning under the statute are:

****NONE****

CANADA WHMIS

(Workplace Hazardous Materials Identification System).

Components present in this product that are listed on the WHMIS hazardous ingredient disclosure list (=> 1%) are: ****NONE****

Special Hazardous Substances (=> 0.1%) are: ****NONE****

Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of hazardous substances equal to or greater than the reportable quantities (RQ's) in 40 CFR 302.4.

Components present in this product at a level which could require reporting under the statute are:

****NONE****

CONFERENCE OF NORTHEASTERN GOVERNORS (CONEG)

The legislation concerns the sum of the concentration levels of lead, cadmium, mercury and hexavalent chromium present in any packaging or package components. Certain requirements of this legislation were effective January 1, 1992. Components present in this product at a level which could require reporting under the statute are: ****NONE****

MASSACHUSETTS RIGHT-TO-KNOW SUBSTANCE LIST

(MSL) Hazardous substances and extraordinary hazardous substances on the MSL must be identified when present in products.

Components present in the product at a level which could require reporting under the statute (=> 1%) are: ****NONE****

Extraordinary hazardous substances (=> 0.0001%) are: ****NONE****

MICHIGAN CRITICAL MATERIALS PROGRAM

Michigan Department of Natural Resources Controlled Substances listed on the Critical Materials Register.

Components present in this product at a level which could require reporting under the statute are:

****NONE****

PENNSYLVANIA RIGHT-TO-KNOW

Pennsylvania hazardous substance list lists hazardous substances and special hazardous substances which must be identified when present in products. Components present in this product at a level which could require reporting under the statute (=> 1%) are: ****NONE****

Special hazardous substances (=> 0.01%) are: ****NONE****

Product Names: Tramfloc® 1109, 1112,-1118, 1143, 1147

SARA 313 TITLE III

Superfund Amendments and Re-authorization Act of 1986 (SARA) Title III require submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313). This information must be included in all MSDS's that are copied and distributed for this material.

Components present in this product at a level which could require reporting under the statute are:

****NONE****

INVENTORY STATUS

The product or its components are included on the following inventories.

	YES	NO	RESEARCHING
Toxic Substance Control Act (TSCA)	X		
European Inventory (EINECS)	X		
Japanese Inventory (MITI)	X		
Australian Inventory (ACOIN)	X		
Reported for inclusion on the Domestic Substance List (CANADA)	X		
North American Free Trade Agreement (NAFTA)	X		

SECTION 12 - ADDITIONAL INFORMATION

Superfund Amendments and Re-authorization Act of 1986 (SARA) Title III requires emergency planning based on threshold planning quantities (TPQ's) and release reporting based on reportable quantities (RQ's) in 40 CFR 355 (used for SARA 302, 304, 311 and 312).

Components present in this product at a level which could require reporting under the statute are:

****NONE****

SECTION 13 - DISCLAIMER

This data is offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.