

SAFETY DATA SHEET

According to Federal Regulation 29 CFR 1910.1200

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: TRAMFLOC® 1784

Type of product: Food Grade Defoamer

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Foam control agent

Uses advised against: Consumer use

1.3. Details of the supplier of the safety data sheet

Company: Tramfloc, Inc.
6046 FM 2920 Rd. #615
Spring, TX 77379-2542

Telephone: 888-929-8973

Telefax: 480-383-6895

E-mail address: water@tramfloc.com

1.4 Emergency telephone number:

24-hour emergency number: 800-424-9300 CHEMTREC (CCN 20412), Outside US 703-527-3887

SECTION 2. Hazard(s) identification

2.1. Classification of the substance or mixture

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

2.2. Label Elements

The product contains no substances which at their given concentration, are considered to be hazardous to health.

SECTION 3. Composition/hazardous ingredients

3.2. Mixtures

Chemical nature of the product Polymer dispersion

Component	CAS No	% [weight]
Hydrophobic silica	Proprietary	0.1 - 1

The product contains no substances which at their given concentration, are considered to be hazardous to health.

SECTION 4. First aid measures

4.1. Description of first aid measures

General Advice Immediate medical attention is not required.

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.

Skin Contact Wash with soap and water. Remove and wash contaminated clothing before re-

use.

Inhalation Move victim to fresh air.

Ingestion Clean mouth with water.

4.2. Most important symptoms and effects, both acute and delayed

No information available.

4.3. Indication of any immediate medical attention and special treatment needed

No information available.

SECTION 5. Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray. Carbon dioxide (CO₂). Dry chemical. Alcohol resistant foam. Water mist may be used to cool closed containers.

Unsuitable Extinguishing Media

No information available.

5.2. Special hazards arising from the substance or mixture

Carbon oxides. Formaldehyde.

Explosion Data

2.3. Other hazards

Hazards not otherwise classified (HNOC)

Not applicable

Unknown acute toxicity 16.76932044% of the mixture consists of ingredient(s) of unknown toxicity

Other Information

Not applicable

Sensitivity to mechanical impact

No.

Sensitivity to static discharge

No.

5.3. Advice for firefighters

Advice for fire-fighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Use personal protection equipment. Avoid contact with skin, eyes or clothing.

Protective precautions Ensure adequate ventilation. Avoid exceeding of the given occupational exposure limits (see section 8).

Emergency procedures Evacuate personnel to safe areas. Remove all sources of ignition. Keep people away from and upwind of spill/leak.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Local authorities should be advised if significant spillages cannot be contained. Containspillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local /national regulations (see section 13).

Methods for Clean-Up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labelled containers.

6.4. Reference to other sections

Reference to other sections See Sections 5 & 7 for additional information.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep from freezing. Freezing will affect the physical condition but will not damage the material. Thaw and mix before using.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Exposure Guidelines .

Component	ACGIH TLV	OSHA PEL	NIOSH IDLH
Hydrophobic silica	TWA: 10 mg/m ³	TWA: 6 mg/m ³	-

Engineering Controls

Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

Individual protection measures, such as personal protective equipment

Eye/Face Protection	Safety glasses with side-shields. If splashes are likely to occur, wear:. Tight sealing safety goggles.
Skin protection	Wear suitable protective clothing and gloves. Wear protective nitrile rubber gloves. Wear protective butyl rubber gloves. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves.
Respiratory protection	In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.
General Hygiene	Considerations Handle in accordance with good industrial hygiene and safety practice. Take off contaminated clothing and wash before reuse.

SECTION 9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Physical State	Liquid
Appearance	Translucent White
Odor	Slight
Odor threshold	No information available
Explosive properties	Not an explosive
Oxidizing properties	No information available

9.2. Other information

VOC content (%)	< 1% (EPA Method 24)
Density	1.01 kg/L; 8.4 #/gal

SECTION 10. Stability and Reactivity

10.1. Reactivity

Reactivity

Stable under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

10.4. Conditions to avoid

Heat, flames and sparks.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Thermal decomposition can lead to release of irritating and toxic gases and vapors. Carbon oxides. Formaldehyde.

SECTION 11. Toxicological Information

11.1. Information on toxicological effects

Information on likely routes of exposure

Information given is based on data on the components and the toxicology of similar products.

Eyes	Contact with eyes may cause irritation. Avoid contact with eyes.
Skin	Substance may cause slight skin irritation. Avoid contact with skin.
Inhalation	Health injuries are not known or expected under normal use.
Ingestion	Health injuries are not known or expected under normal use.

Numerical measures of toxicity - Product Information

ATEmix (oral) 12,965.00 mg/kg

ATEmix (dermal) 32,114.00 mg/kg

ATEmix (inhalation-dust/mist) No data available

Component	Oral LD50	Dermal LD50	Inhalation LC50
Organosiloxane polymer	> 17 g/kg (Rat)	> 2 g/kg (Rabbit)	-
Polyalkylene glycol	= 5700 mg/kg (Rat)	-	-

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available.

Mutagenic effects No information available.

Reproductive Effects No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Aspiration Hazard No information available.

Carcinogenicity This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

SECTION 12. Ecological Information

12.1. Toxicity

Ecotoxicity Information given is based on data on the components and the ecotoxicology of similar products.

Component	Algae	Fish	Daphnia magna
Hydrophobic silica	-	LC50: >10000 mg/l, 96h	EC50: >10000 mg/l, 24h
Polyalkylene glycol	EC50, 48 hr: >100 mg/L	LC50: >100 mg/l (Golden orfe), 96 hr	EC50 (48 h): > 100 mg/l

Unknown Aquatic Toxicity

64.14794% of the mixture consists of component(s) of unknown hazards to the aquatic environment.

12.2. Persistence and degradability

Not readily biodegradable.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

Not applicable.

12.6. Other adverse effects

No information available.

SECTION 13. Disposal Consideration

13.1. Waste treatment methods

Disposal Methods

Should not be released into the environment. Contain and dispose of waste according to local regulations. Can be incinerated, when in compliance with local regulations.

Contaminated packaging

Empty containers should be taken for local recycling, recovery or waste disposal. Do not burn, or use a cutting torch on, the empty drum.

US EPA Waste Number Product, as sold, is not a US EPA RCRA Waste.

SECTION 14. Transport Information

DOT	Not regulated
ICAO/IATA	Not regulated
IMDG/IMO	Not regulated

SECTION 15. Regulatory Information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

International Inventories

US TSCA	Complies
Australia (AICS)	Complies
Canada (DSL)	Complies
China (IECSC)	Complies
Europe (EINECS/ELINCS/NLP)	Complies
Japan (ENCS)	Complies
South Korea (KECL)	Complies
Philippines (PICCS)	Complies
New Zealand	Complies

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (40 CFR 61)

This product does not contain any HAPs.

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42). Discharge into the environment must be avoided.

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65

This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects, at levels which would require a warning under the statute.

U.S. State Right-to-Know

Component	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Isopropyl alcohol	X	X	X		X

International Regulations

Mexico

Mexico - Grade Slight risk, Grade 1

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

Non-controlled

Canada Disclosure Lists

Components not listed are non-hazardous.

SECTION 16. Other Information

Issue Date: 2009-01-15

Revision Date: 2017-01-30

Reason for revision SDS sections updated, 9.

For industrial use only. Refer to the safety data sheet and/or instructions for use.

NFPA

HMIS III

Health 1

Health 1

Flammability 1

Flammability 1

Instability 0

Physical Hazard 0

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.