

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® 1100

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: none

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 GHS classification

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

2.2 GHS label elements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

EUH210 – Safety data sheet available on request.

2.3 Hazard statements

No information available.

2.4 Precautionary statements - prevention

P264: Wash hands thoroughly after handling.

P280: Wear protective gloves/clothing/eye/face protection

SECTION 3. Composition/hazardous ingredients

Full text of H- and EUH-phrases: see section 16.

SECTION 4. First aid measures

Eye contact:

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin contact:

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Ingestion:

Clean mouth with water and drink afterwards plenty of water.

Inhalation:

Move victim to fresh air.

Self-Protection of the First Aider:

Use personal protection equipment.

SECTION 5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Water. Carbon dioxide. Dry chemical. Alcohol resistant foam.

Unsuitable extinguishing media:

No information available.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products:

Thermal decomposition can lead to release of irritating gases and vapors. Carbon monoxide. Carbon dioxide.

5.3 Special protective equipment for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH.

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 and clothing.

Protective precautions:

Use personal protection equipment.

6.2 Environmental precautions

Environmental precautions

Avoid release to the environment

6.3 Methods and material for containment and cleaning up

Contain spillage, 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).

Cleaning up

Take up mechanically, placing in appropriate containers for disposal.

6.4. Reference to other sections

See sections 5 & 7 for additional information

SECTION 7. Handling and storage

7.1 Handling

Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Use personal protection equipment. Wash hands thoroughly after handling.

7.2 Storage

Store in a well ventilated place. Keep container tightly closed when not in use. Store away from excessive heat or cold and open flame. Protect from freezing. Keep away from open flames, hot surfaces and sources of ignition.

SECTION 8. Exposure controls/personal protection

8.1 Engineering measures

Not required under normal conditions of use. However, if unusual operating conditions exist, then provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below PEL/TLV (s).

8.2 Personal protective equipment

Eye protection:	Wear safety glasses in compliance with OSHA regulations.
Skin protection:	Wear resistant gloves such as: nitrile rubber gloves. Long sleeved clothing.
Respiratory protection:	In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

SECTION 9. Physical and Chemical Properties

Appearance:	Liquid
Color:	Opaque, Amber
Odor:	Mild
Odor threshold:	No information available.
Boiling Point:	> 510 ^o F
Vapor Pressure:	< 0.1 mm Hg
Melting point:	No information available.
Flash point:	380 F
Evaporation rate:	< 1
Flammability (solid, gas)	No information available.
Flammability limit in air	
Upper	7.0%
Lower	0.9%
Vapor pressure:	<0.1 mmHg
Vapor density:	> 5
Specific gravity:	0.87
Water solubility:	No information available.
Solubility in other solvents:	Emulsifiable
Partition coefficient: n-octanol/water	No information available.
Autoignition temperature:	No information available.
Decomposition temperature:	No information available.
Explosive properties:	No information available.
Oxidizing properties:	No information available.
pH:	No information available.
Viscosity:	No information available.
VOC content:	No information available.

SECTION 10. Stability and Reactivity

Chemical Stability:	Stable under normal conditions.
Condition to avoid:	Excessive heat, sparks and open flame.
Hazardous Polymerization:	Product will not undergo hazardous polymerization.
Hazardous Decomposition:	Thermal decomposition can lead to release of irritating and toxic gases and vapors. Carbon monoxide. Carbon dioxide.
Materials to avoid:	Avoid contact with strong oxidizing agents.

SECTION 11. Toxicological Information

11.1 information on toxicological effects

Acute Toxicity

Eyes	Contact with eyes may cause irritation. Avoid contact with eyes.
Skin	May be harmful in contact with skin. 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.
Unknown acute toxicity	10.78% of the mixture consists of ingredients of unknown toxicity.

The following values are calculated based on chapter 3.1 of the GHS document:

ATEmix (oral)	4,799.00 mg/kg
ATEmix (dermal)	2,078.00 mg/kg
ATEmix (inhalation-dust/mist)	No data available.

Component information

Component	Oral LD50	Dermal LD50	Inhalation LC50
Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega- hydroxy-,branched	= 131- mg/kg (rat)		
Octadecanoic acid		>5 g/kg (rabbit)	
White mineral oil	>5000 mg/kg (rat)	2010 mg/kg (rabbit)	

Carcinogenicity

Not available.

Sensitization

Not available.

Aspiration hazard

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Mutagenicity

Not available.

Reproductive toxicity

Not available.

Potential chronic health effects

Not available.

SECTION 12. Ecological Information

Ecotoxicity

Component	Algae	Fish	Daphnia magna
Octadecanoic acid 57-11-4	-	LD50: >100 mg/L	-
Sloxanes and Silicones, de-Me, reaction products with silica 67762-90-7	-	LC50: >10000 mg/l, 96h	EC50: 10000 mg/l, 24h
White mineral oil 8042-47-4	LL/EL50: >100 mg/L	LL/EL50:> 100 mg/L	-

Unknown Aquatic Toxicity

6.1938% of the mixture consists of components of unknown hazards to the aquatic environment.

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

White mineral oil, 8042-47-5, Partition coefficient: >6

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

Waste from residues / unused products: Dispose in accordance with all applicable local, state, and federal regulations

Contaminated packaging: Dispose in accordance with all applicable local, state, and federal regulations

SECTION 14. Transport Information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Additional information
DOT Classification	-	Not Regulated	-	-	-
T D G Classification	-	Not Regulated	-	-	-
IMDG Class	-	Not Regulated	-	-	-
IATA - DGR Class	-	Not Regulated	-	-	-

PG *: Packing group

Labels required: None

SECTION 15. Regulatory Information

Environmental Protection Agency

US TSCA	Complies
Australia (AICS)	Contact manufacturer
Canada (DSL)	Complies
China (IECSC)	Complies
Europe (EINECS/ELINCS/NLP)	Complies
Japan (METI)	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

WGK Classification (VwVws) Water endangering class = 1 (self estimation)

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Authorizations and/or restrictions on use:

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV). This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

Persistent Organic Pollutants

Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

15.2. Chemical safety assessment

No information available

SECTION 16. Other Information

HMIS Rating: Health: 1, Flammability: 1, Reactivity: 0, PPE: X

Note: The PPE rating depends on circumstances of use. See Section 8 for recommended PPE. The Hazardous Material Information System (HMIS) is a voluntary, subjective alpha-numeric symbolic system for recommending hazard risk and personal protection equipment information. It is a subjective rating system based on the evaluator's understanding of the chemical associated risks. The end-user must determine if the code is appropriate for their use.

NSF: Not available

FDA/USDA/GRAS: Approved to use level not to exceed 33 ppm in food, 21 CFR 173.340

compliant.

Kosher: This product has been evaluated for Kosher approval.
FIFRA: Not available
Other: Not available

Abbreviation	Definition
<	Less Than
>	Greater Than
ACGIH	American Conference of Governmental Industrial Hygienists
EHS	Environmental Health and Safety Dept.
N/A	Not Applicable
N/D	Not Determined
N/E	Not Established
OSHA	Occupational Health And Safety Dept.
PEL	Personal Exposure Limit
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weight Average
UNK	Unknown

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.