

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® 3200

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

Identified uses: Anti-foaming 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. Hazards 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 products contains no substances which at their given concentration are considered to be hazardous to health.

2.3. Other hazards

Hazards not otherwise classified: Not applicable

Unknown acute toxicity: 92.46% of the mixture consists of ingredient(s) of unknown toxicity.

Other information: May be harmful if swallowed.

2.4. Other Information

Not applicable.

SECTION 3. Composition/information on ingredients

3.1. Chemical description

Component	CAS No.	% (weight)
Synthetic Amorphous Silica	Proprietary	1 – 5
Synthetic Amorphous Silica	Proprietary	1 – 5

The product contains no substances which at their given concentration, are considered to be hazardous to health. If CAS number is "proprietary," the specific chemical identity and percentage of composition has been withheld as a trade secret.

SECTION 4. First aid measures

4.1. Description of first aid measures

Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms persist, call a physician.
Skin Contact	Wash with immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use. If persistent irritation occurs, seek medical advice.
Inhalation	Move victim to fresh air. Keep at rest in a position comfortable for breathing. If symptoms persist, call a physician.
Ingestion	Rinse mouth. DO NOT induce vomiting. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.
Self-Protection of the First Aider	Use personal protection equipment.

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

Notes to Physician – Treat symptomatically.

SECTION 5. Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂). Foam. Dry chemical.

Unsuitable Extinguishing Media

None.

5.2. Special hazards arising from the substance or mixture

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

5.3. Advice for firefighters

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

Use personal protection equipment. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Avoid exceeding of the given occupational exposure limits. 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. 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).

6.4. Reference to other sections

See Sections 5 & 7 for additional information.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. Use personal protection equipment.

7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep cool. Protect from sunlight. Keep away from open flames, hot surfaces and sources of ignition. Keep from freezing.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Component	ACGIH TLV	OSHA PEL	NIOSH IDLH
Synthetic Amorphous Silica	-	TWA: 6 mg/m ³	-
Synthetic Amorphous Silica	TWA: 10 mg/m ³ inhalable fraction TWA: 3 mg/m ³ respirable fraction	5 mg/m ³ , respirable fraction 15 mg/m ³ total dust	-

8.2. Exposure 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

Collective protection	Natural ventilation is adequate in open areas. Provide technical ventilation in confined spaces.
Eye/Face protection	Safety glasses with side-shields. If splashes are likely to occur, wear: Goggles.
Skin protection	Long sleeved clothing. Wear protective nitrile rubber gloves.
Respiratory protection	In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.
General Hygiene	Handle in accordance with good industrial hygiene and safety practice. Wash hands thoroughly after handling.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State	Liquid	
Appearance	Opaque	
Odor	Mild organic	
Odor threshold	No information available.	
Property	Values	Remarks/Method
pH	No information available.	No information available
Melting point/freezing point	No information available.	No information available
Boiling point	>400C	No information available
Flash point	282C	No information available
Evaporation rate	No information available	No information available
Flammability (solid, gas)	No information available	No information available
Flammability Limit in Air		

- Upper flammability limit	No information available	
- Lower flammability limit	No information available	
Vapor pressure	< 1 mmHg	No information available
Vapor density	No information available	No information available
Specific gravity	0.95	No information available
Water solubility	insoluble.	No information available
Solubility in other solvents	No information available	No information available
Partition coefficient: n-octanol/water	No information available.	No information available
Autoignition temperature	No information available	No information available
Decomposition temperature	No information available.	No information available
Viscosity	No information available.	No information available
Explosive properties	No information available	
Oxidizing properties	No information available	

9.2. Other information

VOC content (%): No information available.

SECTION 10. Stability and reactivity

10.1. Reactivity

Stable under normal conditions. .

10.2. Chemical stability

Product is stable.

10.3. Possibility of hazardous reactions

No risk of polymerization.

10.4. Conditions to avoid

Heat, flames and sparks.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Carbon monoxide, Carbon dioxide, fumes.

SECTION 11. Toxicological information

11.1. Information on toxicological effects

Information on likely routes of exposure

Product 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	May cause skin irritation and/or dermatitis. Avoid contact with skin.		
Inhalation	Inhalation of vapors may cause irritation of respiratory system. Avoid breathing vapors or mists.		
Ingestion	May be harmful if swallowed. Aspiration hazard if swallowed – can enter lungs and cause damage.		

Numerical measures of toxicity - Product Information

Oral	4,306.00 mg/kg	Inhalation-dust/mist	6.27 mg/L
Dermal	7,856.00 mg/kg		

Component Information

Component	Oral LD50	Dermal LD50	Inhalation LC50
Synthetic Amorphous Silica	> 5000 mg/kg (rat)	> 5000 mg/kg (rabbit)	LC0: \geq 0.139 mg/l (4hr). Maximum attainable concentration. No deaths occurred.
Synthetic Amorphous Silica	= 3160 mg/kg (rat)	-	2.08 mg/l, 4h (rat)
Sodium sulface	> 10000 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.
Chronic Toxicity	Avoid repeated exposure.
Aspiration Hazard	No information available.

Carcinogenicity This product contains Synthetic Amorphous Silica that is listed in the IARC as a Group 3.

SECTION 12. Ecological information

12.1. Toxicity

Component	Algae	Fish	Daphnia magna
Synthetic Amorphous Silica	EC50, 72h: Pseudokirchneriella subcapitata: 440 mg/L	LC50: >10000 96h (Brachydanio rerio)	EC50: >10000 24 h
Synthetic Amorphous Silica	-	LC50: >10000 mg/L, 96h (Brachydanio rerio)	EC50: >10000, 24h (daphnia)
Sodium sulfate	-	13500-14500: 96h Pimephales promelas mg/L, LC50 6800: 96h Pimephales promelas mg/L LC50 state 3040-4380: 96h Lepomis macrochirus mg/L LC50 static 13500: 96h Lepomis macrochirus mg/L LC50	2564: 48h Daphnia magna mg/L EC50 630: 96h Daphnia magna mg/L EC50

92.5% of the mixture consists of component(s) of unknown hazards to the aquatic environment.

12.2. Persistence and degradability

No information available.

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 considerations

13.1. Waste treatment methods

Disposal Methods	Contain and dispose of waste according to 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

EU Regulations (EC) 1907/2006 (REACH)

All product ingredients (preparations) are registered, pre-registered or exempt from registration.

None of the product ingredients are in Annex XIV (list of substances to authorization).

Acrylamide is an impurity contained in the product, at lower or much lower than 0.05% proportion. This substance is contained in the list of SVHC.

International Inventories

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

15.2 Chemical safety assessment

The product should be considered a mixture. Given its classification is not necessary to perform a chemical safety assessment thereof.

15.3 Additional information

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 does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

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 Proposition 65 chemicals.

US State Right-to-Know

Component	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Synthetic Amorphous Silica	x	x	x		
Sodium sulfate	x		x		
Soybean oil			x		x

Mexico

Mexico – Grade slight risk, Grade 1

SECTION 16. Other information

NFPA

Health 1

Flammability 1

Instability 0

HMIS III

Health 1

Flammability 1

Physical Hazard 0

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Reason for revision SDS sections updated, 3, 15.

For industrial use only.

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.