

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 names: TRAMFLOC® 1009

Type of product: Mixture

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

Identified uses: Processing aid for industrial applications.

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. Hazards identification

2.1. Classification of the substance or mixture

Comb. Dusts 1

2.2. Label elements

Hazard pictograms:

None listed.

Signal word:

Warning

Hazard statements:

May form combustible dust concentrations in air.

Precautionary statements:

None.

Hazard(s) not otherwise classified (HNOC):

Aqueous solutions or powders that become wet render surfaces extremely slippery. Dust can form an explosive mixture in air.

SECTION 3. Composition/information on ingredients

3.1. Substances

Not applicable, this product is a mixture.

3.2 Mixtures

This product is a mixture.

Hazardous components

Contains no reportable hazardous substances.

SECTION 4. First aid measures

4.1. Description of first aid measures

Inhalation:	Remove to fresh air
Skin contact:	Wash exposed area with soap and water
Eye contact:	Flush immediately with plenty of water
Ingestion:	Rinse mouth with water. Do Not induce vomiting. No hazards which require special first aid measures.
Self-protection:	Protective glasses and gloves are recommended.

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

Symptoms

No data available.

Effects

No data available.

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

Notes for the doctor:

No data available

Special treatment

No data available

SECTION 5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water, Water spray. Foam. Carbon dioxide. Dry powder.

Warning! Aqueous solutions or powders that become wet render surfaces extremely slippery.

5.2. Special hazards arising from the substance or mixture

Hazardous incompatibility:

Thermal decomposition may product carbon oxides.

5.3. Advice for fire-fighters

Additional information

In the event of fire, wear self-contained breathing apparatus.

Aqueous solutions or powders that become wet render surfaces extremely slippery.

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Aqueous solutions or powders that become wet render surfaces extremely slippery. Avoid breathing dust. Remove all sources of ignition. Avoid dust formations in confined areas.

Personal protective equipment

Safety glasses and protective gloves are recommended.

Emergency procedures

Keep people away from spill/leak.

For emergency responders:

Personal protective equipment

Safety glasses and protective gloves are recommended.

6.2. Environmental precautions

Do not allow contact with soil, surface or ground water. Prevent product from entering drains.

6.3. Methods and material for containment and cleaning up

For small spills: Do not flush with water. Clean up promptly by sweeping or vacuum. Keep in suitable, closed containers for disposal. After cleaning, flush away traces with water.

For large spills: Do not flush with water. Clean up promptly by sweeping or vacuum. Keep in suitable, closed containers for disposal. After cleaning, flush away traces with water.

For residues: Flush away with large quantities of water.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Protective measures:

Advice on safe handling: Avoid dust formation. Use only explosion-proof equipment. Keep away from heat and sources of ignition. Take precautionary measures against static discharge. Aqueous solutions or powders that become wet render surfaces extremely slippery.

Fire preventions: Local exhaust ventilation is recommended for control of dust.

Aerosol and dust generation preventions: Local exhaust ventilation is recommended for control of dust.

7.2. Conditions for safe storage, including any incompatibilities

Keep in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep away from heat and sources of ignition. **Incompatible with strong acids and oxidizing agents. Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.** Shelf life is five years when stored in a low humidity environment.

7.3. Specific end use(s)

No information available.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

8.2. Exposure controls

Appropriate engineering controls:

Use local exhaust if dusting occurs. Natural ventilation is adequate in absence of dusts. Ensure adequate ventilation, especially in confined areas. Use explosion-proof ventilation equipment.

Individual protection measures, such as personal protective equipment:

a) Eye/face protection:

Safety glasses with side-shields.

b) Skin protection:

i) Hand protection: PVC or other plastic material gloves.

ii) Other: Work-clothes protecting arms, legs and body.

c) Respiratory protection:

Ventilated respirator with P3 filter cartridge if respirable dust (particle-size < 10 µm) exceeds 0.05 mg/m³. Dust safety masks recommended where working powder concentration is more than 10 mg/m³.

d) Additional advice:

Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls:

Do not allow uncontrolled discharge of product into the environment. Do not flush into surface water.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Granular solid, white.

Color: White

Odor: None

pH: 4 - 9 @ 5 g/L

Melting point/freezing point: > 150°C

Initial boiling point/boiling range: No data available.

Flash point: No data available.

Evaporation rate: No data available.

Flammability (solid, gas): No data available.

Upper/lower flammability: No data available.

Explosive limits: No data available.

Upper explosive limits: No data available.

Lower explosive limits: No data available.

Vapor density: No data available.

Relative density: 0.2 - 0.9

Solubility(ies): Soluble in water

Partition coefficient:	< 0
Auto-ignition temperature:	Does not self-ignite (based on the chemical structure)
Decomposition temperature:	No data available.
Decomposition temperature:	>150°C
Viscosity:	No data available.
Viscosity, dynamic:	No data available.
Viscosity, cinematic:	No data available.
Explosive properties:	Not expected to be explosive based on the chemical structure. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.
Oxidizing properties:	Not expected to be oxidizing based on the chemical structure.

9.2. Other information

None.

SECTION 10. Stability and reactivity

10.1 Reactivity

None known.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Powdered material may form explosive dust-air mixtures.'

10.4. Conditions to avoid

Keep away from heat and sources of ignition.

10.5. Incompatible materials

Incompatible with strong acids and oxidizing agents.

10.6. Hazardous decomposition products

Thermal decomposition may produce: carbon oxides

SECTION 11. Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity:	LD50/oral/rat > 5000 mg/kg. (Estimated)
Acute dermal toxicity:	LD50/dermal/rat > 5000 mg/kg. (Estimated)
Acute inhalation toxicity:	The product is not expected to be toxic by inhalation.
Skin corrosion/irritation:	By analogy with similar products, this product is not expected to be irritating.
Eye damage/eye irritation:	By analogy with similar products, this product is not expected to be irritating.
Respiratory/skin sensitization:	The product is not expected to be sensitizing.
Narcotic effects:	Practical experience/human evidence: No data available.
Specific target organ toxicity:	Repeated: Practical experience/human evidence: No data available.
Mutagenicity:	By analogy with similar products, this product is not expected to be mutagenic.
Carcinogenicity:	By analogy with similar substances, this substance is not expected to be carcinogenic.

Reproductive toxicity: By analogy with similar substances, this substance is not expected to be toxic for reproduction.
STOT - Single exposure: No known effects.
STOT - Repeated exposure: No known effect.
Aspiration hazard: No hazards resulting from the material as supplied.

SECTION 12. Ecological information

12.1 Toxicity

Information on the product as supplied:

Acute toxicity to fish: LC50/Oncorhynchus mykiss/96 hours > 100 mg/L. (Estimated)
Acute toxicity to invertebrates: EC50/Daphnia/48 hours > 100 mg/L (Estimated)
Acute toxicity to algae: IC50/Algae/72 hours > 100 mg/L (Estimated)
Chronic toxicity to fish: No data available.
Chronic toxicity to invertebrates: No data available.
Toxicity to microorganisms: No data available.
Effects on terrestrial organisms: No data available.
Sediment toxicity: No data available.

12.2. Persistence and degradability

Biodegradation

Not readily biodegradable.

Hydrolysis

Does not hydrolyze.

Photolysis

No data available.

12.3 Bioaccumulative potential

Information on the product as supplied:

The product is not expected to bioaccumulate.

Partition co-efficient (Log Pow): < 0

Bioconcentration factor (BCF): No data available.

12.4 Mobility in soil

Assessment/classification

No data available.

SECTION 13. Disposal considerations

13.1 Waste treatment methods

Recommendation

Observe all Federal, State, and Local environmental regulations when disposing of this material.

Recommended cleansing agent

Water, if necessary with cleansing agents.

SECTION 14. Transport information

Land transport (DOT)

Not classified.

Sea transport (IMDG)

Not classified.

Air transport (IATA)

Not classified.

SECTION 15. Regulatory information

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

Information on the product as supplied:

TSCA Chemical Substances Inventory:

All components of this product are either listed on the inventory or are exempt from listing.

US SARA Reporting Requirements:

SARA (Section 311/312) hazard class:

Not concerned.

SARA Title III Sections:

Section 302 (TPQ) - Reportable Quantity:

Not concerned.

Section 304 - Reportable Quantity:

Not concerned.

Section 313 (De minimis concentration):

Not concerned.

Clean Water Act

Section 311 Hazardous Substances (40 CFR 117.3) - Reportable Quantity:

Not concerned.

Clean Air Act

Section 112(r) Accidental release prevention requirements (40 CFR 68) - Reportable Quantity:

Not concerned.

CERCLA

Hazardous Substances List (40 CFR 302.4) - Reportable Quantity:

Not concerned.

RCRA status :

Not RCRA hazardous.

California Proposition 65 Information:

Not concerned.

SECTION 16. Other information

NFPA and HMIS Ratings:

NFPA:

Health: 0

Flammability: 1

Instability: 1

HMIS:

Health: 0

Flammability: 1

Physical Hazard: 1

PPE Code: B



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.