

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® 1142

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

Identified uses: Anti-foaming agent (defoamer)

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

OSHA Regulatory Status - 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.

2.3. Other hazards

Hazards not otherwise classified (HNOC)

Not applicable

Unknown acute toxicity 33.81% of the mixture consists of ingredient(s) of unknown toxicity

2.4. Other Information

May be harmful in contact with skin.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

| Component | CAS No | % [weight] |
|--------------------|-------------|------------|
| Hydrophobic silica | Proprietary | 1 - 5 |
| White mineral oil | 8042-47-5 | 10 - 30 |

*The exact percentage (concentration) of composition has been withheld as a trade secret. If CAS number is "proprietary", the specific chemical identity and percentage of composition has been withheld as a trade secret. 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

| | |
|--------------|--|
| 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. |
| Inhalation | Move victim to fresh air. |
| Ingestion | Clean mouth with water and drink afterwards plenty of 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

Notes to Physician - Treat symptomatically.

SECTION 5. Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂). Dry chemical. Water.

Unsuitable Extinguishing Media

No information available.

5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating gases and vapours. Carbon monoxide. Carbon dioxide (CO₂). Smoke. Fumes. Hydrocarbons.

Explosion Data

Sensitivity to mechanical impact

Not applicable.

Sensitivity to static discharge

Not sensitive.

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 (see section 8).

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).

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

See Sections 5 & 7 for additional information.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. 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.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

| Component | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|--------------------|--------------------------------------|--------------------------------|------------|
| Hydrophobic silica | TWA: 10 mg/m ³ | TWA: 6 mg/m ³ | - |
| White mineral oil | TWA: 5 mg/m ³ , oil mist | 5 mg/m ³ , oil mist | - |
| 8042-47-5 | STEL:10 mg/m ³ , oil mist | | |

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

| | |
|------------------------|--|
| Eye/Face Protection | Safety glasses with side-shields. |
| 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 | Considerations 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 | White | |
| 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 | 100C | No information available |
| Flash point | 177C | Open cup |
| 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 | No information available | No information available |
| Vapor density | No information available | No information available |
| Specific gravity | 0.94 – 0.98 | No information available |
| Water solubility | No information available | 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 | 400C | 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

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal processing.

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

Carbon monoxide. Carbon dioxide (CO₂). Fumes. Sulfur oxides (SO_x). Nitrogen oxides (NO_x). Hydrocarbons.

SECTION 11. Toxicological information

11.1. Information on toxicological effects

Information on likely routes of exposure

Product Information 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 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.

Numerical measures of toxicity - Product Information

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

| | |
|-------------------------------|-------------------|
| ATEmix (oral) | 12,035.00 mg/kg |
| ATEmix (dermal) | 4,838.00 mg/kg |
| ATEmix (inhalation-dust/mist) | No data available |

Component Information

| Component | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|--|--|---------------------|-----------------|
| White mineral oil | > 5000 mg/kg (Rat) | 2010 mg/kg (Rabbit) | - |
| 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 does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP. | | |

SECTION 12. Ecological information

12.1. Toxicity

Ecotoxicity.

| Component | Algae | Fish | Daphnia magna |
|--------------------------|---|------------------------|------------------------|
| Hydrophobic silica | - | LC50: >10000 mg/l, 96h | EC50: >10000 mg/l, 24h |
| White mineral oil | LL/EL50:>100 mg/L | LL/EL50:>100 mg/L | - |
| Unknown Aquatic Toxicity | 67.3696% 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

| Component | Partition coefficient |
|-------------------|-----------------------|
| White mineral oil | >6 |
| 8042-47-5 | |

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. Dispose of contents/containers in accordance with local regulations. |
| 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) | Contact manufacturer |
| Canada (DSL) | Complies |
| China (IECSC) | Complies |
| Europe (EINECS/ELINCS/NLP) | Contact manufacturer |
| Japan (METI) | Contact manufacturer |
| 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

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 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

WARNING! This product contains a chemical known in the State of California to cause cancer. WARNING! This product contains a chemical known in the State of California to cause birth defects or other reproductive harm. Impurities (<0.1%).

| | |
|----------------|---------------------------|
| Component | California Proposition 65 |
| Formaldehyde | Carcinogen |
| Methyl alcohol | Developmental |

U.S. State Right-to-Know

| Component | Massachusetts | New Jersey | Pennsylvania | Illinois | Rhode Island |
|----------------------------|---------------|------------|--------------|----------|--------------|
| Calcium oxide | X | X | X | | X |
| Formaldehyde | X | X | X | X | X |
| Glycerol | X | X | X | | X |
| Propylene Glycol | | X | X | | X |
| Methyl alcohol | X | X | X | X | X |
| Silicon dioxide(amorphous) | 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

NFPA

Health 1

Flammability 1

Instability 0

HMIS III

Health 1

Flammability 1

Physical Hazard 0

Issue Date: 2015-06-04

Revision Date: 2015-08-13

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.