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

<table>
<thead>
<tr>
<th>Component</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrophobic silica</td>
<td>TWA: 10 mg/m³</td>
<td>TWA: 6 mg/m³</td>
<td>-</td>
</tr>
<tr>
<td>White mineral oil</td>
<td>TWA: 5 mg/m³, oil mist</td>
<td>5 mg/m³, oil mist</td>
<td>-</td>
</tr>
<tr>
<td>8042-47-5</td>
<td>STEL: 10 mg/m³, oil mist</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks/Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Liquid</td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>White</td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>Mild Organic</td>
<td></td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>No information available</td>
<td>No information available</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>No information available</td>
<td>No information available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>100°C</td>
<td>No information available</td>
</tr>
<tr>
<td>Flash point</td>
<td>177°C</td>
<td>Open cup</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No information available</td>
<td>No information available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No information available</td>
<td>No information available</td>
</tr>
<tr>
<td>Flammability Limit in Air</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Product name: TRAMFLOC® 1142  Page: 3  01/02/20
- Upper flammability limit: No information available
- Lower flammability limit: No information available

Vapor pressure: No information available
Vapor density: No information available
Specific gravity: 0.94 – 0.98
Water solubility: No information available
Solubility in other solvents: No information available
Partition coefficient: n-octanol/water: No information available
Autoignition temperature: 400°C
Decomposition temperature: No information available
Viscosity: 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

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 components(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  X  
Formaldehyde  X  X  X  X  X  
Glycerol  X  X  X  X  
Propylene Glycol  X  X  X  
Methyl alcohol  X  X  X  X  
Silicon dioxide(amorphous)  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  
Product name: TRAMFLOC® 1142  
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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.