

# MATERIAL SAFETY DATA SHEET

## SECTION 1 - IDENTIFICATION OF THE PRODUCT AND THE COMPANY

PRODUCT NAME: TRAMFLOC® 1009

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DESCRIPTION: Anionic polymer in powder form.

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## SECTION 2 – HAZARDS INFORMATION

**Form:** Powder  
**Color:** Slightly yellowish  
**Odor:** None

## SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

**Identification:** Anionic polymer in powder form.  
**Regulated Components:** None.

## SECTION 4 - FIRST AID MEASURES

**Inhalation:** Move to fresh air.  
**Skin contact:** Wash with water and soap as a precaution. In case of persistent skin irritation, consult a physician.  
**Eye contact:** Rinse thoroughly with plenty of water, also under the eyelids. In case of persistent eye irritation, consult a physician.  
**Ingestion:** No hazards which require special first aid measures. The product is not expected to be toxic.

## SECTION 5 - FIRE-FIGHTING MEASURES

**Suitable extinguishing media:** Water-soluble polymer in solution, water spray, foam, carbon dioxide (CO<sub>2</sub>), dry powder.  
**Precautions:** Aqueous solutions or powders that become wet render surfaces extremely slippery.  
**Protective equipment for firefighters:** No special protective equipment required.  
**Flash point:** Not applicable.  
**Autoignition temperatures:** Not applicable.

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## SECTION 6 - ACCIDENTAL RELEASE MEASURES

- Personal precautions:** No special precautions required
- Environmental precautions:** Do not contaminate water.
- Methods for cleaning up:** Do not flush with water. Dam up. Soak up with inert absorbent material. If liquid has been spilled in large quantities clean up promptly by scoop or vacuum. Keep in suitable and closed containers for disposal. After cleaning, flush away traces with water.

## SECTION 7 - HANDLING AND STORAGE

- Handling:** Avoid contact with skin, eyes and clothing. Avoid dust formation. Do not breathe vapors/dust. Wash hands before breaks and at the end of workday.
- Storage:** Keep in a dry, cool place (0-35°C).

## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

### Personal protection equipment

- Respiratory protection:** Dust safety masks are recommended where concentration of total dust is more than 10mg/m<sup>3</sup>.
- Hand protection:** Rubber gloves.
- Eye protection:** Safety glasses with side-shields. Do not wear contact lenses where this product is used.
- Skin protection:** Chemical resistant apron or protective suit if splashing or contact with solution is likely.
- Hygiene measures:** Wash hands before breaks and at the end of workday. Handle in accordance with good industrial hygiene and safety practice
- Engineering measures:** Use local exhaust if dusting occurs. Natural ventilation is adequate in absence of dusts.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

- |                            |                 |                                  |                        |
|----------------------------|-----------------|----------------------------------|------------------------|
| <b>Form:</b>               | Powder          | <b>Autoignition temperature:</b> | Not applicable.        |
| <b>Color:</b>              | Slightly yellow | <b>Approx. Bulk density:</b>     | 0.4 – 0.5              |
| <b>Odor:</b>               | None            | <b>LogPow:</b>                   | 0                      |
| <b>pH:</b>                 | 4 – 9 @ 5 g/l   | <b>Viscosity (m.Pa.s):</b>       | See Technical Bulletin |
| <b>Melting point (°C):</b> | Not applicable. | <b>Water solubility:</b>         | See Technical Bulletin |
| <b>Flash point:</b>        | Not applicable. |                                  |                        |

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## SECTION 10 - STABILITY AND REACTIVITY

- Stability:** Product is stable, No hazardous polymerization will occur.
- Materials to avoid:** Oxidizing agents may cause exothermic reactions
- Hazardous decomposition products:** Thermal decomposition may produce: Nitrogen oxides (NO<sub>x</sub>), Carbon oxides (CO<sub>x</sub>)

## SECTION 11 - TOXICOLOGICAL INFORMATION

### Acute toxicity

- **Oral:** By analogy with similar products, this product is not expected to be toxic.
- **Dermal:** By analogy with similar products, this product is not expected to be toxic.
- **Inhalation** By analogy with similar products, this product is not expected to be toxic.

### Irritation

- **Skin:** May cause eye irritation with susceptible persons.
  - **Eyes:** May cause eye irritation with susceptible persons. By analogy with similar products tested according to the Draize technique this material should produce no corneal or iridial effects and only slight transitory conjunctival effects similar to those which all granular materials have on conjunctivae.
- Sensitization:** By analogy with similar products, this product is not expected to be sensitizing.
- Chronic toxicity:** By analogy with similar products, this product is not expected to demonstrate chronic toxic effects.

## SECTION 12 - ECOLOGICAL INFORMATION

- **Fish:** LC50/Danio rerio/96 hr > 100 mg/L (OECD 203) (Based on the toxicity of the components using the Conventional Method.)
  - **Algae:** IC50/Scenedesmus subspicatus/72hr > 100 mg/L (OECD 201) (Based on the toxicity of the components using the Conventional Method.)
  - **Daphnia:** EC50 /Daphnia magna/48 hr > 100 mg/L (OECD 202) ((Based on the toxicity of the components using the Conventional Method.)
- Bioaccumulation:** Does not bioaccumulate.
- Persistence / degradability:** Not readily biodegradable.
- Hydrolysis:** Does not hydrolyse.
- LogPow:** 0

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### SECTION 13 – DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Recycle if possible. If not, absorb spilled material on inert absorbent and dispose of solidified material in accordance with federal, state, local or other applicable laws and regulations.

### SECTION 14 - TRANSPORT INFORMATION

#### DOT

**IMDG/IMO:** Not classified as dangerous in the meaning of IMO/IMDG regulations.

**ICAO/IATA:** Not classified as dangerous in the meaning of ICAO/IATA regulations.

### SECTION 15 - REGULATORY INFORMATION

US SARA Reporting Requirements:  
SARA Title III Sections

International Inventories

China (IECSC): All components of this product are either listed on the inventory or are exempt from listing.

<b>HMIS AND NFPA Ratings</b>	<b>HMIS</b>	<b>NFPA</b>
Health:	0	3
Flammability:	0	1
Reactivity:	0	0

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.