

# 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® 1001B, 8860, 8870 Super Absorbent Polymers

Type of product: Potassium based 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

Classification according to paragraph (d) of Regulation 29 CFR 1910.1200:

Irritant. Eye irritant, category 2A

### 2.2. Label elements

Labelling according to paragraph (f) of Regulation 29 CFR 1910.1200:

Hazard symbol(s):



Signal word: Warning

Hazard statement(s): Causes serious eye irritation

Precautionary statement(s): If medical advice is needed, have product container or label on hand.  
Keep out of reach of children. Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

### 2.3. Other hazards

If eye irritation persists, seek immediate medical advice or attention.

### **SECTION 3. Composition/information on ingredients**

CAS 9003-04-7

Sodium Polyacrylate

95% by weight

### **SECTION 4: First aid measures**

#### *4.1. Description of first aid measures*

Inhalation: Loosen clothing as necessary and position individual in a comfortable position. Move exposed to fresh air. Give artificial respiration if necessary. If breathing is difficult give oxygen. Get medical assistance if cough or other symptoms appear.

Skin contact: Wash hands and exposed skin with soap and plenty of water. Seek medical attention if irritation persists or if concerned.

Eye contact: Protect unexposed eye. Rinse or flush exposed eye gently using water for 15-20 minutes. Remove contact lenses while rinsing. Seek medical attention if irritation persists or if concerned.

Ingestion: Rinse mouth thoroughly. Do not induce vomiting. Seek medical attention if irritation, discomfort, or vomiting persists. Never give anything by mouth to an unconscious person.

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

Irritation, headache, nausea, shortness of breath.

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

If seeking medical attention provide SDS documentation to physician. Physician should treat symptomatically.

Other information:

None.

### **SECTION 5. Fire-fighting measures**

#### *5.1. Extinguishing media*

Suitable extinguishing media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media:

None.

#### *5.2. Special hazards arising from the substance or mixture*

Hazardous decomposition products:

Thermal decomposition can lead to release of irritating gases and vapors.

#### *5.3. Advice for fire-fighters*

Protective measures:

Wear protective eye ware, gloves and clothing.

Other information:

Avoid inhaling gases, fumes, dust, mist, vapor and aerosols. Avoid contact with skin, eyes and clothing. Dust deposits should not be allowed to accumulate on surfaces.

## **SECTION 6: Accidental release measures**

### *6.1. Personal precautions, protective equipment and emergency procedures*

Personal precautions:

Ensure adequate ventilation. Ensure that air-handling systems are operational.

Protective equipment:

Wear adequate personal protective equipment (see Section 8 Exposure Controls/Personal Protection).

Emergency procedures:

Keep people away from spill/leak.

### *6.2. Environmental precautions*

Should not be released into the environment. Prevent from reaching drains, sewer or waterway.

### *6.3. Methods and material for containment and cleaning up*

Wear protective eyewear, gloves and clothing. Refer to Section 8. Sweep up and containerize for disposal. Avoid generating dust. Always obey local regulations. If necessary, use trained staff or contractor. Absorb with suitable absorbent material such as sand or earth and containerize for disposal. Refer to section 13.

Residues:

After cleaning, flush away traces with water.

### *6.4. Reference to other sections*

SECTION 7: Handling and storage; SECTION 8: Exposure controls/personal protection; SECTION 13: Disposal considerations;

## **SECTION 7. Handling and storage**

### *7.1. Precautions for safe handling*

Avoid contact with skin, eyes, and clothing. Follow good hygiene procedures when handling chemical materials. Refer to Section 8. Follow proper disposal methods. Refer to Section 13. Wash hands after handling. Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink, smoke, or use personal products when handling chemical substances.

### *7.2. Conditions for safe storage, including any incompatibilities.*

Store in a cool location. Keep away from open flames, hot surfaces, and sources of ignition. Keep away from food and beverages. Protect from freezing and physical damage. Provide ventilation for containers. Keep container tightly sealed. Store away from incompatible materials.

### *7.3. Specific end use(s)*

No information available.

## **SECTION 8. Exposure controls/personal protection**

### *8.1. Control parameters*

None.

### *8.2. Exposure controls*

Appropriate engineering controls:

Use local exhaust if dusting occurs. Natural ventilation is adequate in absence of dusts.

Individual protection measures, such as personal protective equipment:

- Eye/face protection: Wear equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses or goggles are appropriate eye protection.
- Skin protection: Select glove material impermeable and resistant to the substance. Select glove material based on rates of diffusion and degradation. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Use proper glove removal technique without touching outer surface. Avoid skin contact with used gloves. Wear protective clothing.
- Hand protection: PVC or other plastic material gloves.
- Respiratory protection: Not required under normal conditions of use. Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. When necessary use NIOSH approved breathing equipment.
- Additional advice: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.

Environmental exposure controls: Do not allow uncontrolled discharge of product into the environment.

## **SECTION 9. Physical and chemical properties**

### *9.1. Information on basic physical and chemical properties*

- Appearance: Granular solid. White.
- Odor: None.
- Odor Threshold: Not applicable.
- PH: 6 – 7 (1% in water)
- Melting point/freezing point: 199°C
- Initial boiling point and boiling range: Not applicable.
- Flash point: Not applicable.
- Evaporation rate: Not applicable.
- Flammability (solid, gas): No data available.
- Upper/lower flammability or explosive limits: Not expected to create explosive atmospheres.
- Vapour pressure: < 10 mm Hg
- Vapour density: Not applicable.
- Relative density: Not determined.
- Solubility(ies): Insoluble in water.
- Partition coefficient: Not determined.
- Autoignition temperature: Does not self-ignite (based on the chemical structure)
- Decomposition temperature: Not determined.

Viscosity: Not applicable.  
Explosive properties: Not expected to be explosive based on the chemical structure.  
Oxidizing properties: Not expected to be oxidising 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*

Oxidizing agents may cause exothermic reactions.

#### *10.4. Conditions to avoid*

Moisture sensitive. Incompatible materials. Excessive heat.

#### *10.5. Incompatible materials*

Oxidizing agents and strong acids.

#### *10.6. Hazardous decomposition products*

Thermal decomposition may produce carbon oxides, sodium oxides.

### **SECTION 11. Toxicological information**

#### *11.1. Information on toxicological effects*

Information on the product as supplied:

Acute oral toxicity: LD50/oral/rat > 5000 mg/kg  
Acute inhalation toxicity: The product is not expected to be toxic by inhalation.  
Skin corrosion/irritation: Not irritating.  
Serious eye damage/eye irritation: Not irritating.  
Respiratory/skin sensitisation: Not sensitizing.  
Mutagenicity: Not mutagenic.  
Carcinogenicity: Not carcinogenic.  
Reproductive toxicity: Not toxic for reproduction.  
STOT - single exposure: No known effects.  
STOT - repeated exposure: No known effects.  
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: No data available.

Acute toxicity to invertebrates: No data available.

Acute toxicity to algae: No data available.

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*

Information on the product as supplied:

Degradation: No data available.

Hydrolysis: No data available.

Photolysis: No data available.

### *12.3. Bioaccumulative potential*

Information on the product as supplied:

No data available.

Partition co-efficient (Log Pow): 2

### *12.4. Mobility in soil*

Information on the product as supplied:

No data available.

## **SECTION 13. Disposal considerations**

### *13.1. Waste treatment methods*

Waste from residues / unused products:

Dispose in accordance with local and national regulations. Can be landfilled or incinerated, when in compliance with local regulations.

Contaminated packaging:

Dispose in accordance with local and national regulations. Can be landfilled or incinerated, when in compliance with local regulations.

Recycling:

The product and its packaging are not suitable for recycling.

## **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.

RCRA status :

Not RCRA hazardous.

California Proposition 65 Information:

**WARNING!** This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm, Acrylamide.

Relevant information on the hazardous components:

Adipic acid

Clean Water Act

CWA-Section 311 Hazardous Substances (40 CFR 117.3) Reportable Quantity- 5,000 lbs.

CERCLA Hazardous Substances (40 CFR 302.4) Reportable Quantity- 5,000 lbs.

## **SECTION 16. Other information**

NFPA and HMIS Ratings: NFPA:

Health: 2

Flammability: 0

Instability: 0

HMIS:

Health: 2

Flammability: 0

Physical Hazard: 0

PPE Code: X

This data sheet contains changes from the previous version in section(s):

SECTION 1. Identification of the substance/mixture and of the company/undertaking, SECTION 2. Hazards

identification, SECTION 3. Composition/information on ingredients, SECTION 4. First aid measures, SECTION 5. Fire-fighting measures, SECTION 6. Accidental release measures, SECTION 7. Handling and storage, SECTION 8. Exposure controls/personal protection, SECTION 9. Physical and chemical properties, SECTION 10. Stability and reactivity, SECTION 11. Toxicological information, SECTION 12. Ecological information, SECTION 13. Disposal considerations, SECTION 14. Transport information, SECTION 15. Regulatory information, SECTION 16. Other Information.

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