

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® 1001RD

Type of product: Sodium polyacrylate

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

1. Identification

Potential Acute Health Effects:

Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: Not available.

MUTAGENIC EFFECTS: Not available.

TERATOGENIC EFFECTS: Not available.

DEVELOPMENTAL TOXICITY: Not available.

Repeated or prolonged exposure is not known to aggravate medical condition.

Floors become very slippery when wet.

SECTION 3. Composition

Sodium polyacrylate, crosslinked

CAS 9003-04-7

SECTION 4. First Aid

Note: First aid instruction is applied for dry material and for material in contact with liquid (in gel form) except inhalation that is not applicable for gel form.

Eye: Check for and remove any contact lenses. Immediately wash affected eye for at least 15 minutes under running water with eyelids held open. Cold water may be used. Get medical attention if irritation occurs.

Skin: Wash thoroughly with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. Cold water may be used.

Ingestion: Rinse mouth and then drink plenty of water. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention

SECTION 5. Fire Fighting Measures

Flammability of the Product:	Non-flammable.
Auto-Ignition Temperature:	Not applicable.
Flash Points:	Not applicable.
Flammable Limits:	Not applicable.
Products of Combustion:	Not available.
Fire Hazards in Presence of Various Substances:	Not applicable.
Explosion Hazards in Presence of Various Substances:	
Risks of explosion of the product in presence of mechanical impact:	Not available.
Risks of explosion of the product in presence of static discharge:	Not available.
Fire Fighting Media and Instructions:	Not applicable.
Special Remarks on Fire Hazards:	When heated to decomposition it emits acrid smoke and irritating fumes.
Special Remarks on Explosion Hazards:	Not available.
Suitable extinguishing types:	Water spray, foam, dry extinguishing media
Non-suitable types for safety reason:	Carbon dioxide, water jet
Additional information:	Avoid whirling up the material because of the danger of dust explosion
Special protective equipment:	Wear a self-contained breathing apparatus
Further information:	Contaminated extinguishing water must be disposed in accordance with officials regulations

SECTION 6. Accidental Release Measures

Personal precautions:	Extremely slippery when wet. Breathing protection is recommended.
Methods for cleaning up and taking up:	Sweep up in container for disposal.

SECTION 7. Handling and Storage

Handling:

Breathing must be protected when large quantities are decanted without local exhaust ventilation. Avoid the formation and deposition of dust. If ingested, seek medical advice immediately and show the container or them

label. Keep away from incompatibles such as acids.

Storage:

Keep container tightly closed. Keep container in a cool, well-ventilated area. Store in cool dry place. Shelf life is five years when stored in a low humidity environment.

SECTION 8. Exposure Controls and Personal Protection

Components with workplace control parameters : A safe working level of 0,05 mg/m³ has been established for respirable super absorbent polymer dust (particle size under 10 microns).

Personal protective equipment:

Respiratory: Breathing protection if dust are formed

Hand protection: Does not apply.

Eye protection: Safety glasses with side-shields

General safety and hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended.

SECTION 9. Physical and Chemical Properties

Form: Granules

Color: White

Odor: Odorless. Some reclaimed grade could contain baby powder scent

pH Value: 4.9 – 6.5

Bulk density: Approx. 600 Kg/m³

Solubility in water: Insoluble, only capable of swelling (20o)

SECTION 10. Stability and Reactivity

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Incompatible materials, Moisture. Stable in dry air, but slowly decomposes in moist air.

Incompatibility with various substances: Reactive with acids.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Reacts with acids to form carbon dioxide. Dangerous reaction with monoammonium phosphate or a sodium-potassium alloy.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Decomposition above 200 Celsius

SECTION 11. Toxicological Information

LD₅₀/oral/rat: > 2000 mg/kg

LD₅₀/dermal/rat: > 2000 mg/kg

Primary Skin irritation/Rabbit:

Non-irritant (Method: OECD 404)

Primary irritations of mucous membrane/Rabbit:

Very slight eye irritation., Particle effect (Method OECD 405) Sensitization: 0/20 No sensitization (Method : OECD 406).

Further information: A chronic (two-year) lifetime inhalation study on rats with respirable super absorbent polymer dust (micronized to <10 microns) resulted in an unspecified inflammatory response in the lungs followed by tumor development in some rats in the highest chronic exposure level of 0,8 mg/m³.

In the absence of chronic inflammation, tumors are not expected

SECTION 12. Ecological Information

Ecotoxicity

Toxicity to fish:

OECD Guideline 203 static. Brachydanio rerio/LC₅₀ (96h):
>100 mg/l

Aquatic invertebrates:

OECD Guideline 202, part 1 static. Daphnia magna/EC₅₀ (48h):
>100 mg/l

Aquatic plants:

OECD Guideline 201. Desmodesmus subspicatus/EC₅₀ (72h):
>100 mg/l

Microorganisms/Effect on activated sludge:

The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

Soil living organisms:

OECD Guideline 207. Eisenia foetida/LC₅₀: >1.000mg/Kg

Persistence and degradability

The product is not very soluble in water and can thus be removed from water mechanically in suitable effluent treatment plants.

Additional information

Due to the consistency of the product, dispersion into the environment is impossible. Therefore no negative effects on the environment may be anticipated based in the present state of knowledge.

Do not release untreated into natural waters, The ecotoxic effect of the product has not been tested. The information on this way derived from products of similar structure or composition.

SECTION 13. Disposable Consideration

Product must be dumped or incinerated in accordance with local regulations. A waste code in accordance with the European waste catalog (EWC) cannot be specified, due to dependance on the usage. Observe national and local legal requirements.

Contaminated packaging:

Undamaged packaging may be responsibly reused after proper cleaning. Packs that cannot be cleaned should be disposed of in the same manner as the contents.

SECTION 14. Transport Information

Not classified as hazardous under transport regulations (ADR RID ADNR IMDG/GGV See ICAO/IATA).

SECTION 15. Regulatory Information

Labelling according to Directive 1999/45/EEC: The product does not require a hazard warning label in accordance with EC Directives.

Federal and State Regulations: TSCA 8(b) inventory: Sodium bicarbonate

Other Regulations: Not available.

Other Classifications:

WHMIS (Canada): Not controlled under WHMIS (Canada).

DSCL (EEC): This product is not classified according to the EU regulations. Not applicable.

HMIS (U.S.A.): Health Hazard: 1 Fire Hazard: 0 Reactivity: 0 Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 1 Flammability: 0 Reactivity: 0

Specific hazard:

Protective Equipment: Gloves. Lab coat. Dust respirator. Be sure to use an approved / certified respirator or equivalent. Safety glasses.

SECTION 16. Other Information

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.