

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® 561 Alum Tablets

Type of product: Substance

Substance: Aluminum Sulphate

Synonyms: Aluminum Sulphate Tablets

CAS No.: 7784-31-8

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

Identified uses: This material is used as a water treatment coagulant.

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

Classification of the chemical

GHS Classification of the substance or mixture

Corrosive to metals Category 1

Eye damage Category 1

GHS Label elements, including precautionary statements

Pictogram(s):



Signal word: Danger

Hazard statements: H290: May be corrosive to metals

H318: Causes serious eye damage

Precautionary statements

Precaution :

P234: Keep only in original container

P280: Wear protective eye protection/face protection.

Response :

P305+351+338+310: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. Immediately call a POISON CENTER or doctor/physician.

P390: Absorb spillage to prevent material damage.

Storage :

P406: Store in a corrosive resistant/ container with a resistant inner liner

Disposal :

None.

Description of any hazards not otherwise classified

No information available.

Ingredient with unknown acute toxicity

No information available.

SECTION 3: Composition/information on ingredients

Molecular formula

$\text{Al}_2(\text{SO}_4)_3 \cdot 18(\text{H}_2\text{O})$

Chemical name	CAS No.	Content (%), Wt.
Sulfuric acid, aluminum salt, octadecahydrate	7784-31-8	≤50
Magnesium stearate, anhydrous	557-04-0	≤50

SECTION 4: First aid measures

Skin contact:

Wash skin with plenty of water and soap. Remove and launder contaminated clothes before re-use. If skin irritation persists get medical advice/attention.

Eyes contact:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If eye irritation persists get medical advice/attention.

Inhalation:

Remove to fresh air, keep warm and at rest. If symptoms persist. Seek medical attention.

Ingestion:

DO NOT induce vomiting. Wash out mouth with water and give plenty of water to drink. Obtain medical advice if symptoms persist.

SECTION 5: Fire fighting measures

Suitable Extinguishing Media

All extinguishing media are allowed, select the appropriate extinguishing media depending on the surrounding fire and environment.

Special hazards arising from the chemical

Non-combustible.

Special protective equipment for firefighters

Firefighters wear fire resistant protective equipment and self contained breathing apparatus depending on surrounding fire.

SECTION 6: Accidental release measures

For guidance on selection of personal protective equipment see Chapter 8 of this Material Safety Data Sheet. See Chapter 13 for information on disposal. Observe the relevant local and international regulations.

Personal precautions, protective equipment and emergency procedures

Avoid dust formation and inhaling dust. Avoid direct contact.

Environmental precautions

Prevent uncontrolled discharges into the environment (rivers, water courses, sewers etc.).

Methods and materials for containment and cleaning up

Do not create dust. Sweep up and shovel. Keep in suitable, closed containers for recycle or disposal. Wash the spillage area with large quantities of water.

SECTION 7: Handling and storage

Handling

Wear suitable protective clothing, gloves. Avoid contact with skin and eyes. Provide appropriate exhaust ventilation at places where dust is formed. Provide basic employee training to prevent /minimize exposures.

Storage

Keep container tightly closed in cool and dry condition.

SECTION 8: Exposure controls, personal protection

Control parameters

Components with workplace control parameters:

Contains no substances with occupational exposure limit values.

Monitoring Method

Data not available.

Engineering Control

Conventional industrial hygiene practices.

Personal protective equipment

Respiratory Protection: In the case of high dust levels wear suitable respiratory protective equipment, ie. dust mask or respirator conforming to EN standards. Recommended filter = particle filter,P2.

Eyes Protection: Wear suitable eye/face protection.

Body Protection	Normal working clothes is suitable.
Hands Protection	Wear suitable chemical resistant protective gloves for frequent or prolonged operations tested to EN374 with an acceptable permeation test. Suitable materials include neoprene (chloroprene), PVC and nitrile rubber.
Other Protections	Wash hands with soap and clean water after handling.

SECTION 9: Physical and chemical properties

Appearance	Powder, granular, flakes and tablets
Color	White
Odor	Odorless
Odor threshold	Not available.
pH	Not available.
Melting point/freezing point	86.5°C
Initial boiling point and boiling range	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability	Not available.
Upper explosive limit %(V/V):	Not available.
Lower explosive limit %(V/V):	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	About 1.6-1.7 g/cm ³
Solubility(ies)	Soluble in water.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.

SECTION 10: Stability and reactivity

Stability

Stable under recommended storage and handling conditions.

Materials to avoid

Strong oxidizing agents, strong base.

Conditions to Avoid

Moisture.

Hazardous decomposition products

Will not decompose under recommended storage and handling conditions..

Hazardous polymerization

Will not occur.

SECTION 11: Toxicological information

Acute Toxicity:	LD50-rat-oral->5000mg/kg.
Sub-acute and Chronic Toxicity:	No known significant effects or critical hazards.
Skin corrosion/irritation:	Cause serious eye damage.
Serious eye damage/eye irritation:	No known significant effects or critical hazards.
Sensitization:	No known significant effects or critical hazards.
Mutagenicity:	No known significant effects or critical hazards.
Carcinogenicity:	
IARC:	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive Toxicity:	No known significant effects or critical hazards.
Other information:	None.

SECTION 12: Ecological information

Ecotoxicity

No data available.

Biodegradable

No data available.

Non-biodegradable

No data available.

Bioconcentration or biological accumulation

No data available.

Other harmful effects

No data available.

SECTION 13: Disposal considerations

Waste information

Recycle if possible. Observe all federal, state, and local environmental regulations. Send to a licensed disposal company

Disposal notice

Disposal area must comply with the environment and national safety standard.

SECTION 14: Transport Information

UN Number, ADR, IMDG, IATA

3260.

UN proper shipping name: ADR, IMDG, IATA

CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. .

Transport hazard class(es): ADR, IMDG, IATA

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Packing group: ADR, IMDG, IATA

III

Environmental hazards: No.

Special precautions for user: No information available.

SECTION 15: Regulatory information

This safety data sheet complies with the requirements of UN GHS Rev.7 and OSHA Hazard Communication Standards (29 CFR 1910.1200).

Safety, health and environmental regulations/legislation specific for the substance or mixture

No information available.

Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

SECTION 16: Additional 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.