

SODIUM-SULFATE-ANHYDROUS

SAFETY DATA SHEET

Date:2018-07-31

SECTION 1: Product And Company Identification

Chemical Name: Sodium sulfate anhydrous

Chemical Formula: Na_2SO_4

CAS Reg. No.: 7757-82-6

Company Identingation:

Supplier's Name and Address

Joint Fair Enterprise Co., Ltd.

No.6, Wenming 3rd St., Guishan Dist., Taoyuan City 33383, Taiwan (R.O.C.)

TEL:886-3-328-3311 FAX:886-3-328-3150

SECTION 2: Hazard Identification

CAUTION! Emergency Overview

May cause skin, eye, and respiratory tract irritation.

The toxicological properties have not been fully investigated.

Hygroscopic.

Appearance: White

Physical State: Solid

Odor: odorless

Target Organs: None known.

Potential Health Effects

Acute Effects

Principle Routes of Exposure

Eyes May cause irritation.

Skin May cause irritation.

Inhalation May cause irritation of respiratory tract.

Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea

Chronic Effects None known.

See Section 11 for additional Toxicological information.

Aggravated Medical Conditions No information available.

Section 3: Composition / Information on Ingredients

Haz/Non-haz

Component	CAS-No	Weight %
Sodium sulfate anhydrous (solid)	7757-82-6	>99 %

Section 4: First Aid Measures

Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.

Skin Contact: Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately if symptoms occur.

Inhalation: Move to fresh air. If breathing is difficult, give oxygen. Get medical attention immediately if symptoms occur.

Ingestion: Do not induce vomiting. Obtain medical attention.

Notes to Physician Treat symptomatically.

Section 5: Fire Fighting Measures

Flash Point: No information available.

Method No information available.

Autoignition Temperature: No information available.

Explosion Limits

Upper: No data available

Lower: No data available

Suitable Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing Media: No information available.

Hazardous Combustion Products: No information available.

Sensitivity to mechanical impact: No information available.

Sensitivity to static discharge: No information available.

Specific Hazards Arising from the Chemical

Keep product and empty container away from heat and sources of ignition.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA Health 1 Flammability 1 Instability 0 Physical hazards N/A

Section 6: Accidental Release Measures

Personal Precautions

Ensure adequate ventilation. Use personal protective equipment. Avoid dust formation.

Environmental Precautions

Should not be released into the environment.

Methods for Containment and Clean Up

Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid dust up formation.

Section 7: Handling and Storage

Handling:

Wear personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. Avoid dust formation.

Storage:

Keep containers tightly closed in a dry, cool and well-ventilated place.

Section 8: Exposure Control / Personal Protection

Engineering Measures:

Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation, especially in confined areas.

Exposure Guidelines:

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

NIOSH IDLH: Immediately Dangerous to Life or Health

Personal Protective Equipment:

Eye/face Protection:

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin and body protection:

Wear appropriate protective gloves and clothing to prevent skin exposure.

Respiratory Protection

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9: Physical and Chemical Properties

Physical State: Solid

Appearance:

White

Odor:

odorless

Odor Threshold:

No information available.

pH:

4-9 ,110 g/l aq. sol.

Vapor Pressure:	No information available.
Vapor Density:	No information available.
Viscosity:	No information available.
Boiling Point Range:	No information available.
Melting Point Range:	884 - 888°C / 1623.2 - 1630.4°F
Decomposition temperature °C:	No information available.
Flash Point:	No information available.
Evaporation Rate:	No information available.
Specific Gravity:	No information available.
Solubility:	Soluble in water
log Pow:	No data available
Molecular Weight:	142.04
Molecular Formula:	Na ₂ SO ₄

Section 10: Stability and Reactivity

Stability:Hygroscopic.

Conditions to Avoid:

Incompatible products. Excess heat. Avoid dust formation.
Exposure to moist air or water.

Incompatible Materials:

Strong oxidizing agents

Hazardous Decomposition Products:

Sulfur oxides, Sodium oxides

Hazardous Polymerization:

Hazardous polymerization does not occur.

Hazardous Reactions:None under normal processing.

Section 11: Toxicological Information

Acute Toxicity

Component Information

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium sulfate (solution)	10000 mg/kg(Rat)	Not listed	Not listed

Irritation:

No information available.

Toxicologically Synergistic Products:

No information available.

Chronic Toxicity

Carcinogenicity:

There are no known carcinogenic chemicals in this product

Sensitization:

No information available.

Mutagenic Effects: Not mutagenic in AMES Test
 Reproductive Effects: No information available.
 Developmental Effects: No information available.
 Teratogenicity: No information available.
 Other Adverse Effects: The toxicological properties have not been fully investigated..
 See actual entry in RTECS for complete information.
 Endocrine Disruptor Information: No information available

Section 12: Ecological Information

Ecotoxicity
 Do not empty into drains.

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Sodium sulfate (solution)	Not listed	Pimephales promelas: LC50: 13.5 - 14.5 g/L/96h	Not listed	EC50: 4547 mg/L/96h EC50: 2564 mg/L/48h EC50: 4547 mg/L/96h

Persistence and Degradability No information available
 Bioaccumulation/ Accumulation No information available

Mobility .
 Component log Pow
 Sodium sulfate (solution) -3

Section 13: Disposal Considerations

Waste Disposal Methods
 Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

Section 14: Transport Information

DOT Not regulated
 TDG Not regulated
 IATA Not regulated
 IMDG/IMO Not regulated

Section 15: Regulatory Information

International Inventories

Component	TSCA	DSL	NDSL	EINECS	ELINCS	NLP	PICCS	ENCS	AICS	CHINA	KECL
Sodium sulfate (solution)	X	X	-	231-820-9	-	X	X	X	X	X	KE-31609 X

Legend:
 X - Listed

- E - Indicates a substance that is the subject of a Section 5(e) Consent order under TSCA.
- F - Indicates a substance that is the subject of a Section 5(f) Rule under TSCA.
- N - Indicates a polymeric substance containing no free-radical initiator in its inventory name but is considered to cover the designated polymer made with any free-radical initiator regardless of the amount used.
- P - Indicates a commenced PMN substance
- R - Indicates a substance that is the subject of a Section 6 risk management rule under TSCA.
- S - Indicates a substance that is identified in a proposed or final Significant New Use Rule
- T - Indicates a substance that is the subject of a Section 4 test rule under TSCA.
- XU - Indicates a substance exempt from reporting under the Inventory Update Rule, i.e. Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(B)).
- Y1 - Indicates an exempt polymer that has a number-average molecular weight of 1,000 or greater.
- Y2 - Indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule.

Section 16: Other Information

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.