

Version: 1.1 Revision Date: 02-11-2019

# SAFETY DATA SHEET

According to US Regulation 29 CFR 1910.1200 (HazCom 2012)

#### 1. Identification

Product identifier: Sodium Sulfate, Anhydrous

 Other means of identification

 Product No.:
 3375, 3891, 3895, 3898, 7803, 8016, 8020, 8024, 8028

#### **Recommended restrictions**

**Recommended use:** For Laboratory, Research or Manufacturing Use. **Restrictions on use:** Not determined.

#### Details of the supplier of the safety data sheet

Company Name: Address:	Avantor Performance Materials, LLC 100 Matsonford Rd, Suite 200 Radnor, PA 19087
Telephone:	Customer Service: 855-282-6867
Contact Person: E-mail:	Product Information Compliance info@avantormaterials.com

#### **Emergency telephone number:**

CHEMTREC: 1-800-424-9300 within US and Canada

#### 2. Hazard(s) identification

**Hazard Classification** 

Not classified

#### **Label Elements**

Hazard Symbol:	No symbol
Signal Word:	No signal word.
Hazard Statement:	Not applicable
Precautionary Statements	Not applicable
s) not otherwise	None.

Hazard(s) not otherwise classified (HNOC):

#### 3. Composition/information on ingredients

#### Substances



Composition Comments:	The components are not hazardous or are below required disclosure limits.
4. First-aid measures	
General information:	Get medical advice/attention if you feel unwell. Show this safety data sheet to the doctor in attendance.
Ingestion:	Rinse mouth thoroughly. Call a POISON CENTER/doctor if you feel unwell.
Inhalation:	Move to fresh air. Get medical attention if symptoms persist.
Skin Contact:	Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.
Eye contact:	Flush thoroughly with water. If irritation occurs, get medical assistance.
Most important symptoms/effec	ts, acute and delayed
Symptoms:	May cause skin and eye irritation.
Hazards:	None known.
Indication of immediate medical	attention and special treatment needed
Treatment:	Treat symptomatically.
5. Fire-fighting measures	
General Fire Hazards:	No unusual fire or explosion hazards noted.
Suitable (and unsuitable) exting	uishing media
Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.
Unsuitable extinguishing media:	None known.
Specific hazards arising from the chemical:	During fire, gases hazardous to health may be formed.
Special protective equipment ar	nd precautions for firefighters
Special fire fighting procedures:	Move containers from fire area if you can do so without risk. Use water spray to keep fire-exposed containers cool. Cool containers exposed to flames with water until well after the fire is out.
Special protective equipment for fire-fighters:	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
6. Accidental release measure	?S
Personal precautions, protective equipment and emergency procedures:	Keep unauthorized personnel away. Ventilate closed spaces before entering them. Use personal protective equipment.
Methods and material for containment and cleaning up:	Sweep up and place in a clearly labeled container for chemical waste. Clean surface thoroughly to remove residual contamination.

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Notification Procedures:	Prevent runoff from entering drains, sewers, or streams. Inform authorities if large amounts are involved.
Environmental Precautions:	Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.
7. Handling and storage	
Precautions for safe handling:	Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Use personal protective equipment as required. See Section 8 of the SDS for Personal Protective Equipment.
Conditions for safe storage, including any incompatibilities:	Keep containers tightly closed. Store in a well-ventilated place. Store in a dry place.
8. Exposure controls/persona	Il protection
Control Parameters Occupational Exposure Lim	its None of the components have assigned exposure limits.
Appropriate Engineering Controls	No data available.
Individual protection measures	, such as personal protective equipment
General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. An eye wash and safety shower must be available in the immediate work area.
Eye/face protection:	Wear safety glasses with side shields (or goggles). Use tight fitting goggles if dust is generated.
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	Wear suitable protective clothing.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Air-purifying respirator with a high efficiency particulate filter.
Hygiene measures:	Provide eyewash station and safety shower. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.
9. Physical and chemical prop	perties
Appearance	

Physical state:	Solid
Form:	Crystals or granules
Color:	White
Odor:	Odorless
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Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	884 - 888 °C
Initial boiling point and boiling r	ange: No data available.
Flash Point:	Not applicable
Evaporation rate:	No data available.
Flammability (solid, gas):	No data available.
Upper/lower limit on flammabilit	
Flammability limit - upper (9	
Flammability limit - lower (%	6): No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	No data available.
Density:	2.68 g/ml (20 °C)
Relative density:	2.68 (20 °C)
Solubility(ies)	
Solubility in water:	Soluble
Solubility (other):	Alcohol: Insoluble
Partition coefficient (n-octanol/w	vater): No data available.
Auto-ignition temperature:	> 400 °C
Decomposition temperature:	No data available.
Viscosity:	No data available.
Other information	
Molecular weight:	142.06 g/mol (H2O4S.2Na)
10. Stability and reactivity	
Desetivity	
Reactivity:	No dangerous reaction known under conditions of normal use.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	Hazardous polymerization does not occur.
Conditions to avoid:	Exposure to air. Moisture.
Incompatible Materials:	Strong mineral acids. Strong bases. Aluminum. Magnesium.

Hazardous Decomposition Products:

# 11. Toxicological information

Information on likely routes of e Inhalation:	<b>xposure</b> Dust may irritate respiratory system.
Skin Contact:	Prolonged skin contact may cause temporary irritation.
Eye contact:	Dust in the eyes will cause irritation.
Ingestion:	Expected to be a low ingestion hazard.

Oxides of sulfur. Sodium oxides Oxides of Carbon.

# Information on toxicological effects

A		
Acute toxicity (list all possible	e routes of exposure)	
Oral Product:	LD 50: 5,989 mg/kg LOAEL: 30 mg/kg	
Dermal Product:	No data available.	
Inhalation Product:	LC Lo (Rat, 72 h) > 10 mg/m3	
Repeated dose toxicity Product:	None known.	
Skin Corrosion/Irritation Product:	May cause skin irritation.	
Serious Eye Damage/Eye Irritati Product:	on May irritate eyes.	
Respiratory or Skin Sensitizatio Product:	n Not a skin nor a respiratory sensitizer.	
Carcinogenicity Product:	This substance has no evidence of carcinogenic properties.	
IARC Monographs on the Evaluation of Carcinogenic Risks to Humans: No carcinogenic components identified		
US. National Toxicology Program (NTP) Report on Carcinogens: No carcinogenic components identified		
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): No carcinogenic components identified		
Germ Cell Mutagenicity		
In vitro Product:	No mutagenic components identified	
In vivo Product:	No mutagenic components identified	
Reproductive toxicity Product:	No components toxic to reproduction	
Specific Target Organ Toxicity - Product:	Single Exposure None known.	
Specific Target Organ Toxicity - Repeated Exposure Product: None known.		

# **Aspiration Hazard**



Product:

Other effects:

None known.

Not classified

# 12. Ecological information

#### Ecotoxicity:

Acute hazards to the aquatic environment:	
Fish Product:	No data available.
Aquatic Invertebrates Product:	No data available.
Chronic hazards to the aquati	c environment:
Fish Product:	No data available.
Aquatic Invertebrates Product:	No data available.
Toxicity to Aquatic Plants Product:	No data available.
Persistence and Degradability	
Biodegradation Product:	There are no data on the degradability of this product.
BOD/COD Ratio Product:	No data available.
Bioaccumulative potential Bioconcentration Factor (BC Product:	CF) No data available on bioaccumulation.
Partition Coefficient n-octanol / v Product:	vater (log Kow) No data available.
Mobility in soil:	The product is water soluble and may spread in water systems.
Other adverse effects:	The product contains a substance which is harmful to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.
13. Disposal considerations	
Disposal instructions:	Discharge, treatment, or disposal may be subject to national, state, or local laws.
Contaminated Packaging:	Since emptied containers retain product residue, follow label warnings even

after container is emptied.



# 14. Transport information

#### DOT

Not regulated.

#### IMDG

Not regulated.

#### IATA

Not regulated.

#### 15. Regulatory information

#### **US Federal Regulations**

#### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

#### CERCLA Hazardous Substance List (40 CFR 302.4):

None present or none present in regulated quantities.

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

#### Hazard categories

Not classified

#### SARA 302 Extremely Hazardous Substance None present or none present in regulated quantities.

#### SARA 304 Emergency Release Notification

None present or none present in regulated quantities.

#### SARA 311/312 Hazardous Chemical

None present or none present in regulated quantities. Sodium sulfate, anhydrous 10000 lbs.

#### SARA 313 (TRI Reporting)

None present or none present in regulated quantities.

#### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3): None present or none present in regulated quantities.

#### **US State Regulations**

#### US. California Proposition 65

No ingredient requiring a warning under CA Prop 65.

#### US. New Jersey Worker and Community Right-to-Know Act No ingredient regulated by NJ Right-to-Know Law present.



# US. Massachusetts RTK - Substance List

#### **Chemical Identity**

Sodium sulfate, anhydrous

# US. Pennsylvania RTK - Hazardous Substances

#### **Chemical Identity**

Sodium sulfate, anhydrous

#### **US. Rhode Island RTK**

No ingredient regulated by RI Right-to-Know Law present.

#### International regulations

#### Montreal protocol

Not applicable

#### Stockholm convention

Not applicable

#### **Rotterdam convention**

Not applicable

# Kyoto protocol

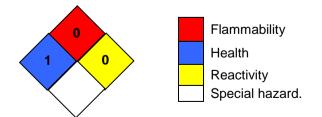
Not applicable

#### **Inventory Status:**

Australia AICS: Canada DSL Inventory List: EINECS, ELINCS or NLP: Japan (ENCS) List: China Inv. Existing Chemical Substances: Korea Existing Chemicals Inv. (KECI): Philippines PICCS: US TSCA Inventory: New Zealand Inventory of Chemicals: Japan ISHL Listing: Mexico INSQ: Taiwan Chemical Substance Inventory: On or in compliance with the inventory Not in compliance with the inventory. On or in compliance with the inventory On or in compliance with the inventory

# 16.Other information, including date of preparation or last revision

#### **NFPA Hazard ID**



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible

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Revision Information:	Not relevant.
Version #:	1.1
Source of information:	Sources of information used in preparing this SDS included one or more of the following: results from in house or supplier toxicology studies, information from the Toxicology Data Network (TOXNET), European Chemical Agency (ECHA) substance dossiers, IARC Monographs, US National Toxicology Program data, the Agency for Toxic Substances and Disease Registry, other manufacturer's SDSs and other sources, as appropriate.
Further Information:	No data available.
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