



## Safety Data Sheet Sodium Sulfate

### SECTION 1: Identification

#### 1.1 Product identifier

Product name	Sodium Sulfate
Substance name	Sodium sulfate
EC no.	231-820-9
CAS no.	7757-82-6
REACH registration	01-2119519226-43

#### 1.2 Other means of identification

None

#### 1.3 Recommended use of the chemical and restrictions on use

For use in laboratories and in the manufacturing of substances.

#### 1.4 Supplier's details

Name	Duda Energy LLC
Address	1112 Brooks St. Decatur, AL 35601 USA
Telephone	256.340.4866
Fax	Unavailable
email	Unavailable

#### 1.5 Emergency phone number(s)

800.255.3924 (Chemtel)

### SECTION 2: Hazard identification

#### 2.1 Classification of the substance or mixture

Not a hazardous substance or mixture.

#### 2.2 GHS label elements, including precautionary statements

Not a hazardous substance or mixture.

### 2.3 Other hazards which do not result in classification

Not a hazardous substance or mixture.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Substance name	Sodium sulfate
EC no.	231-820-9
CAS no.	7757-82-6
Formula	Na <sub>2</sub> SO <sub>4</sub>
Molecular weight	142.04
Other names / synonyms	Sulfuric acid sodium salt (1:2); Sodium sulfate anhydrous; Sodium sulfate

## SECTION 4: First-aid measures

### 4.1 Description of necessary first-aid measures

If inhaled	Move person to fresh air. If not breathing, give artificial respiration.
In case of skin contact	Wash with soap and water. Rinse thoroughly.
In case of eye contact	Flush eyes with water.
If swallowed	If individual is conscious, rinse mouth with water.
Personal protective equipment for first-aid responders	N/A

### 4.2 Most important symptoms/effects, acute and delayed

May cause irritation to respiratory tract, eyes, and sensitive skin.

### 4.3 Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1 Suitable extinguishing media

Water fog, foam, dry chemical powder, CO<sub>2</sub>

### 5.2 Specific hazards arising from the chemical

During fire, gases hazardous to health may form.

### 5.3 Special protective actions for fire-fighters

SCBA and full protective clothing must be worn in case of fire.

### Further information

No unusual fire or explosion hazards are expected.

## SECTION 6: Accidental release measures

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

Avoid dust formation. Avoid breathing vapours, mist or gas.

### 6.2 Environmental precautions

None required.

### 6.3 Methods and materials for containment and cleaning up

Keep stored in tightly closed containers. For clean up, sweep and shovel.

#### Reference to other sections

See Sec 13, Disposal

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Minimize dust generation and accumulation. Provide appropriate exhaust ventilation at places where dust is formed. Practice good housekeeping.

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

Store in original, tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Sec 10 of this SDS).

#### Specific end use(s)

None other than stated in Sec 1 of this SDS

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### 1. Sodium sulfate (CAS: 7757-82-6 EC: 231-820-9)

No exposure limits are noted for this material.

### 8.2 Appropriate engineering controls

If material is used in such a way as dust may accumulate and cloud, use local exhaust ventilation to keep exposures below the recommended levels.

### 8.3 Individual protection measures, such as personal protective equipment (PPE)

#### Eye/face protection

Wear safety glasses with side shields or goggles.

#### Skin protection

Wear Nitrile gloves (min. thickness 0.11m)

#### Body protection

Wear long sleeves and gloves to prevent unwanted exposure to dusts.

#### Respiratory protection

Respiratory protection is not required.

Where dust accumulation is a nuisance, use a dust mask (N95).

**Thermal hazards**

N/A

**Environmental exposure controls**

None

**SECTION 9: Physical and chemical properties**

**Information on basic physical and chemical properties**

Appearance/form (physical state, color, etc.)	Solid, Crystalline White
Odor	None
Odor threshold	No data available
pH	5.2-8 @ 50 g/l @ 20°C
Melting point/freezing point	884°C/537.22°C
Initial boiling point and boiling range	>1700°C
Flash point	N/A
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability limits	No data available
Upper/lower explosive limits	No data available
Vapor pressure	<0.1 hPa @ 20°C
Vapor density	No data available
Relative density	2.68 g/cm <sup>3</sup> @ 25°C
Solubility(ies)	Water: 185 g/l
Partition coefficient: n-octanol/water	log Pow: 3.0
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.

**Other safety information**

None

**SECTION 10: Stability and reactivity**

**10.1 Reactivity**

No data available

**10.2 Chemical stability**

Stable under normal storage conditions.

**10.3 Possibility of hazardous reactions**

No data available

**10.4 Conditions to avoid**

Contact with incompatible materials.

#### 10.5 Incompatible materials

Strong acids, aluminum, magnesium

#### 10.6 Hazardous decomposition products

No known hazardous decomposition products exist for this material.

### SECTION 11: Toxicological information

#### Information on toxicological effects

##### Acute toxicity

No data available

##### Skin corrosion/irritation

Prolonged skin contact may cause temporary irritation.

##### Serious eye damage/irritation

Direct contact with eyes may cause temporary irritation.

##### Respiratory or skin sensitization

Not a skin or respiratory sensitizer.

##### Germ cell mutagenicity

No data indicates that this material or any of its components is mutagenic or genotoxic.

##### Carcinogenicity

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

##### Reproductive toxicity

This product is not expected to cause reproductive or developmental issues.

##### Summary of evaluation of the CMR properties

N/A

##### STOT-single exposure

Not classified.

##### STOT-repeated exposure

Not classified.

##### Aspiration hazard

Not an aspiration hazard.

##### Additional information

None.

### SECTION 12: Ecological information

#### Toxicity

This product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Sodium Sulfate (CAS 7757-82-6)

Aquatic

EC50 Water Flea (Ceriodaphnia dubia): 2807-3535 mg/l, 48hrs

LC50 Striped bass (Morone saxatilis) 790 mg/l, 96hrs

**Persistence and degradability**

No data available

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**Results of PBT and vPvB assessment**

No data available

**Other adverse effects**

No other known adverse effects.

## SECTION 13: Disposal considerations

**Disposal of the product**

Dispose of in accordance with all applicable regulations.

**Disposal of contaminated packaging**

Treat contaminated packaging in accordance with labelling.

**Waste treatment**

Collect and store waste in tightly sealed containers. Dispose of in accordance with all applicable regulations.

**Sewage disposal**

N/A

**Other disposal recommendations**

Do not intentionally dispose into sewage, drains, ditches, water ways, or onto the ground.

## SECTION 14: Transport information

**DOT (US)**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations specific for the product in question

**Pennsylvania Right To Know Components**

Chemical name: Sodium sulfate

CAS number: 7757-82-6

**New Jersey Right To Know Components**

Chemical name: Sodium sulfate

CAS number: 7757-82-6

**Massachusetts Right To Know Components**

Chemical name: Sodium sulfate

CAS number: 7757-82-6

**SARA 302 Components**

No chemicals in this material are subject to reporting requirements of SARA Title III, Section 302

**SARA 313 Components**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis)

**SARA 311/312 Hazards**

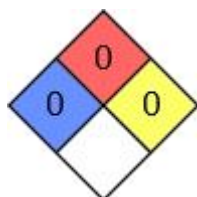
No SARA Hazards

**California Prop. 65 Components**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**15.2 Chemical Safety Assessment**

N/A

**NFPA Rating****SECTION 16: Other information****16.1 Further information/disclaimer**

The information provided in this Safety Data Sheet is correct to the best of Duda Energy LLC's knowledge, information, and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered 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 materials or in any process, unless specified in the text. This Safety Data Sheet only contains information relating to safety and does not replace any product information or product specification. Please note, the content may be changed, corrected, or deleted at any time without notice and may not always necessarily reflect the most current data. Duda Energy LLC will assume no responsibility for any trouble or failure caused by the errors in the information provided, nor any damage associated with the usage of the information.

## **16.2 Preparation information**

Version: 2

Revised: 04-12-2017