

# SODIUM THIOSULFATE 40% (W/V)

## Safety Data Sheet

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### SECTION 1: Identification

#### 1.1. Identification

**Product name** : Sodium Thiosulfate 40% (w/v)  
**EC number** : 231-867-5  
**CAS-No.** : 7772-98-7  
**Formula** : Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>

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

**Product use** : Industrial, Manufacturing or Laboratory use

#### 1.3. Supplier

FARSA Group Ltd  
[Sales@farsagroup.az](mailto:Sales@farsagroup.az)

#### 1.4. Emergency contacts

**Emergency number** : +994512707856

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

**GHS classification** : Industrial, Manufacturing or Laboratory use

#### 2.2. Label elements

**Signal word** : None  
**Pictogram** : None  
**Hazard statements** : None  
**Precautionary statements** : None

#### Potential health effects

**Eyes** : May cause eye irritation.  
**Inhalation** : May be harmful if inhaled. May cause respiratory tract irritation.  
**Skin** : May be harmful if absorbed through skin. May cause skin irritation.  
**Ingestion** : May be harmful if swallowed.

|                        |               |
|------------------------|---------------|
| <b>Health</b>          | 1             |
| <b>Flammability</b>    | 0             |
| <b>Reactivity</b>      | 0             |
| <b>Specific hazard</b> | Not Available |

|                   |   |
|-------------------|---|
| <b>Health</b>     | 1 |
| <b>Fire</b>       | 0 |
| <b>Reactivity</b> | 0 |

#### 2.3. Other hazards

No data available.

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

No relevant (mixture)

#### 3.2. Mixtures

| Component          | Weight % | CAS #      | EINECS#ELINCS# | Formula  | MolecularWeight |
|--------------------|----------|------------|----------------|--|-----------------|
| Sodium Thiosulfate | 58-63    | 10102-17-7 | N/A            | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> *5H <sub>2</sub> O | 248.18 g/mol    |
| Water              | Balance  | 7732-18-5  | 231-791-2      | H <sub>2</sub> O   | 18.00 g/mol     |

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### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

- Skin** : Flush with plenty of water for at least 15 minutes while removing contaminated clothing and wash using soap. Get medical attention if necessary.
- Eye** : Rinse with plenty of water for at least 15 minutes and seek medical attention if necessary.
- Ingestion** : Do not induce vomiting! Never give anything by mouth to an unconscious person. If conscious, wash out mouth with water. Get medical attention if necessary.
- Inhalation** : Move casualty to fresh air and keep at rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention if necessary.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable and unsuitable extinguishing media** : Product is not flammable. Use appropriate media for adjacent fire. Cool containers with water.

#### 5.2. Special hazards arising from the substance or mixture

Emits toxic fumes under fire conditions. (Sodium oxides, Sulfur oxides) (See also Stability and Reactivity section).

#### 5.3. Advice for firefighters

Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.

### SECTION 6: Accidental release measures

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

See section 8 for recommendations on the use of personal protective equipment.

#### 6.2. Environmental precautions

Prevent spillage from entering drains. Any release to the environment may be subject to federal/national or local reporting requirements.

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

Pick up and arrange disposal without creating dust. Sweep up and shovel. Clean surfaces thoroughly with water to remove residual contamination. Dispose of all waste and clean-up materials in accordance with regulations.

#### 6.4. Reference to other section

No data available.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

See section 8 for recommendations on the use of personal protective equipment. Use with adequate ventilation. Wash thoroughly after using. Keep container closed when not in use. Avoid formation of dusts and aerosols.

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

Store in cool, dry well-ventilated area. Keep away from incompatible materials (see section 10 for incompatibilities).

#### 7.3. Specific end use(s)

No data available.

### SECTION 8: Exposure controls/personal protection

**Occupational exposure controls** : Contains no substances with occupational exposure limit values.

#### Personal protection

- Skin** : Wear nitrile or rubber gloves, apron or lab coat.
- Eyes** : Wear chemical safety glasses or goggles.
- Inhalation** : Provide local exhaust, preferably mechanical. If exposure levels are excessive, use an approved respirator.
- Other** : Not available.
- Other recommendations** : Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

|                                    |                          |   |                              |
|------------------------------------|--------------------------|---|------------------------------|
| <b>Physical state</b>              | Clear, colourless liquid | <b>Upper/lower flammability or explosive limit.</b> | Not explosive                |
| <b>Odour</b>                       | Not available            | <b>Vapor pressure</b>                               | Not available                |
| <b>Odour threshold</b>             | Not available            | <b>Vapor density</b>                                | Not available                |
| <b>pH</b>                          | Not available            | <b>Density</b>                                      | 1.0537 (water = 1)           |
| <b>Melting/freezing point</b>      | Not available            | <b>Solubility (es)</b>                              | Completely soluble in water. |
| <b>Initial boiling point/range</b> | Not available            | <b>Partition coefficient: n-octanol/water</b>       | Not available                |
| <b>Flash point</b>                 | Not flammable            | <b>Auto-ignition temperature</b>                    | Not available                |
| <b>Evaporation rate</b>            | Not available            | <b>Decomposition temperature</b>                    | Not available                |
| <b>Flammability (solid, gas)</b>   | Not flammable            | -   | -                            |

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### 9.2. Other information

No data available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Not available.

### 10.2. Chemical stability

Stable.

### 10.3. Possibility of hazardous reaction

Will not occur.

### 10.4. Conditions to avoid

Exposure to air.

### 10.5. Incompatible materials

Strong oxidizing agents, Sodium nitrate, iodides, silver salts, mercury salts, lead.

### 10.6. Hazardous decomposition products

Sodium oxides, Sulfur oxides.

## SECTION 11: Toxicological information

### Acute toxicity

|                    |   |
|--------------------|---|
| <b>Skin</b>        | : Not available.                        |
| <b>Eyes</b>        | : Not available.                        |
| <b>Respiratory</b> | : Not available.                        |
| <b>Ingestion</b>   | : Not available.                        |
| <b>Other</b>       | : LD50 Intravenous – rat - >2,500 mg/kg |

### Carcinogenicity

|              |  |
|--------------|--|
| <b>IARC</b>  | : No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. |
| <b>ACGIH</b> | : No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.            |
| <b>NTP</b>   | : No components of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.                 |
| <b>OSHA</b>  | : No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.             |

### Signs and symptoms of exposure

|                    |   |
|--------------------|---|
| <b>Skin</b>        | : Irritation, itchiness, redness.   |
| <b>Eyes</b>        | : Irritation, redness, tearing.   |
| <b>Respiratory</b> | : Inflammation and swelling of the larynx and bronchi, spasm, chemical pneumonitis and pulmonary edema, burning, coughing, wheezing, laryngitis, shortness of breath, headache. |
| <b>Ingestion</b>   | : Nausea and vomiting.  |

## SECTION 12: Ecological information

### 12.1. Toxicity

Data are not available.

### 12.2. Persistence and degradability

Data are not available.

### 12.3. Bioaccumulative potential

Data are not available.

### 12.4. Mobility in soil

Data are not available.

### 12.5. Results of PBT and vPvB assessment

Data are not available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|                                  |   |
|----------------------------------|---|
| <b>Waste product or residues</b> | : Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product or residue. |
| <b>Product containers</b>        | : Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container.  |

The information offered in section 13 is for the product as shipped. Use and/or alterations to the product may significantly change the characteristics of the material and alter the waste classification and proper disposal methods.

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### SECTION 14: Transport information

|                  |                     |
|------------------|---------------------|
| US DOT           | Not Dangerous Goods |
| TDG              | Not Dangerous Goods |
| IMDG             | Not Dangerous Goods |
| Marine Pollutant | No                  |
| IATA/ICAO        | Not Dangerous Goods |

### SECTION 15: Regulatory information

|   |   |
|---|---|
| TSCA Inventory Status   | All ingredients are listed on the TSCA Activeinventory. |
| DSL / NDSL  | All ingredients are listed on the DSL inventory.        |
| California Proposition 65                                       | Not Listed  |
| Rhode Island: Hazardous Substance List                          | Not Listed  |
| Massachusetts: Toxic or Hazardous Substance List, Right to Know | Not Listed  |
| Pennsylvania: Hazardous Substance List                          | Not Listed  |
| New Jersey: Right to Know Hazardous Substance List              | Not Listed  |
| SARA 302  | Not Listed  |
| SARA 304  | Not Listed  |
| SARA 311  | No SARA Hazards   |
| SARA 312  | No SARA Hazards   |
| SARA 313  | Not Listed  |
| WHMIS Canada  | Not Listed  |

### SECTION 16: Other information

#### Disclaimer:

The information provided in 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 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