

# SAFETY DATA SHEET

## 1. Identification

**Product Identifier:** SODIUM THIOSULFATE PENTAHYDRATE SOLID

**Other means of identification**

**SDS number:** 000100002304

**Recommended use and restriction on use**

**Recommended use:** Not available.

**Restrictions on use:** Not known.

**Emergency telephone number:**For emergency assistance Involving chemicals  
call CHEMTREC day or night at: 1-800-424-9300. CHEMTREC INTERNATIONAL Tel# 703-527-3887

## 2. Hazard(s) Identification

**Hazard classification**

**Label elements**

**Hazard symbol** No symbol

**Signal word** No signal word.

**Hazard statement** This material is not considered hazardous by the OSHA Hazard Communication Standard, OSHA 29 CFR 1910.1200.

**Precautionary statement**

**Storage** Keep container tightly closed. Store in a dry place. Store in a well-ventilated place.

Other hazards which do not  
result in GHS classification

None.

### 3. Composition/information on ingredients

#### Mixtures

Chemical identity	Common name and synonyms	CAS number	Content in percent (%)*
Sodium Thiosulfate Pentahydrate		10102-17-7	99%

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition comments: The components are not hazardous or are below required disclosure limits.

### 4. First-aid measures

**Ingestion:** Never give liquid to an unconscious person.

**Inhalation:** Move to fresh air. If breathing is difficult, give oxygen. Perform artificial respiration if breathing has stopped.

**Skin contact:** Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

**Eye contact:** If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

**Most Important symptoms/effects, acute and delayed**

**Symptoms:** No data available.

#### Indication of immediate medical attention and special treatment needed

**Treatment:** No data available.

### 5. Fire-fighting measures

**General fire hazards:** Move containers from fire area if you can do so without risk. Use water spray to keep fire-exposed containers cool. Flood with water.

#### Suitable (and unsuitable) extinguishing media

**Suitable extinguishing media:** Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media:	No data available.
Specific hazards arising from the chemical:	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	
Special fire fighting procedures:	No data available.
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 measures

Personal precautions, protective equipment and emergency procedures:	Keep unauthorized personnel away. Ventilate closed spaces before entering them. Use personal protective equipment. See Section 8 of the MSDS for 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.

## 7. Handling and storage

Precautions for safe handling:	Use personal protective equipment as required. Container must be kept tightly closed. Do not get in eyes, on skin, on clothing. Avoid inhalation of dust. Wash thoroughly after handling.
Conditions for safe storage, including any incompatibilities:	Keep container tightly closed. Store in a dry place. Store in a well-ventilated place.

## 8. Exposure controls/personal protection

Control parameters	
Occupational exposure limits	None of the components have assigned exposure limits.
Appropriate engineering controls	No special precautions.

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. If exposure limits have not been established, maintain airborne levels to an acceptable level.
Eye/face protection:	Use tight fitting goggles if dust is generated.
Skin protection	
Hand protection:	Wear protective gloves.
Other:	Wear suitable protective clothing.
Respiratory protection:	In case of inadequate ventilation use suitable respirator.
Hygiene measures:	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. Provide eyewash station and safety shower.

9. Physical and chemical properties

Physical state:	Solid
Form:	No data available.
Color:	No data available.
Odor:	No data available.
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	48 °C
Initial boiling point and boiling range:	No data available.
Flash Point:	No data available.
Evaporation rate:	No data available.
Flammability (solid, gas):	No data available.
Upper/lower limit on flammability or explosive limits	
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	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.
Relative density:	No data available.
Solubility(ies)	
Solubility in water:	No data available.
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

#### 10. Stability and reactivity

Reactivity:	No data available.
Chemical stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	The substance is hygroscopic and will absorb water by contact with the moisture in the air. Contact with air. Moisture.
Incompatible materials:	Strong oxidizers Strong acids.
Hazardous decomposition products:	No data available.

#### 11. Toxicological information

##### Symptoms related to the physical, chemical and toxicological characteristics

Ingestion:	No data available.
Inhalation:	No data available.
Skin contact:	No data available.
Eye contact:	No data available.

##### Information on toxicological effects

###### Acute toxicity (list all possible routes of exposure)

Oral	
Product:	No data available.
Dermal	
Product:	No data available.
Inhalation	

Product: No data available.  
Repeated dose toxicity  
Product: No data available.  
Skin corrosion/Irritation  
Product: No data available.  
Serious eye damage/eye Irritation  
Product: No data available.  
Respiratory or skin sensitization  
Product: No data available.  
Carcinogenicity  
Product: No data available.  
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 data available.  
In vivo  
Product: No data available.  
Reproductive toxicity  
Product: No data available.  
Specific target organ toxicity - single exposure  
Product: No data available.  
Specific target organ toxicity - repeated exposure  
Product: No data available.  
Aspiration hazard  
Product: No data available.  
Other effects: No data available.

## 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 aquatic 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: No data available.  
BOD/COD ratio  
Product: No data available.  
Bioaccumulative potential  
Bioconcentration factor (BCF)  
Product: No data available.  
Partition coefficient n-octanol / water (log Kow)  
Product: No data available.  
Mobility in soil: No data available.  
Known or predicted distribution to environmental compartments  
Sodium thiosulphate No data available.  
Known or predicted distribution to environmental compartments  
Sodium thiosulphate No data available.

13. Disposal considerations

General information: Dispose of waste and residues in accordance with local authority requirements.  
Disposal instructions: Discharge, treatment, or disposal may be subject to national, state, or local laws.  
Contaminated packaging: No data available.

14. Transport information

Not regulated for US domestic ground transportation.

15. Regulatory information

**US federal regulationsUS. OSHA Specifcally 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 listed.

**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**

Chemical Identity	Threshold Planning Quantity
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**SARA 313 (TRI reporting)**

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.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**

None present or none present in regulated quantities.

**US state regulations**

**US. California Proposition 65**

No ingredient regulated by CA Prop 65 present.

**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**

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

**US. Pennsylvania RTK - Hazardous Substances**

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

**US. Rhode Island RTK**

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

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Inventory Status:Australia AICS:

Canada DSL Inventory List:

EU EINECS List:

EU ELINCS List:

Japan (ENCS) List:

EU No Longer Polymers List:

China Inv. Existing Chemical Substances:

Korea Existing Chemicals Inv. (KECI):

Canada NDSL Inventory:

Philippines PICCS:

US TSCA Inventory:

New Zealand Inventory of Chemicals:

Japan ISHL Listing:

Japan Pharmacopoeia Listing:

Not in compliance with the inventory.

Not in compliance with the inventory.

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

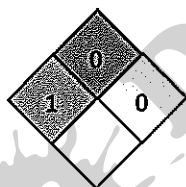
#### HMIS Hazard ID

Health	1
Flammability	0
Physical Hazard	0
PERSONAL PROTECTION	B

B - Safety Glasses & Gloves

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; \*Chronic health effect

#### NFPA Hazard ID



Flammability
Health
Reactivity
Special hazard.

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

Issue date: 09/10/2015  
Revision date: No data available.  
Version #: 1.0  
Further information: No data available.

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# Univar USA Inc Safety Data Sheet

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