

**Section 1: Identification**

<b>Product Name</b>	Sodium Thiosulfate USP Pentahydrate	
<b>Commercial Name</b>	Not available.	
<b>Product Use</b>	Not available	
<b>Restrictions On Use</b>	Not available	
<b>Product Code</b>	30-1294	
<b>Company</b>	PCCA 9901 South Wilcrest Houston, TX 77099 Phone: 1-800-331-2498 Fax: 1-800-874-5760	In case of emergency contact: <b>CHEMTREC (24hr) 1-800-424-9300</b>

**Section 2: Hazard(s) Identification**

**OSHA Haz Com:** Skin Irritation (Category 2) Eye Irritation (Category 2) Specific target organ toxicity - single exposure  
**CFR 1910.1200** (Category 3)

**Signal Word** WARNING

**Hazard Statement(s)** Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.

**Pictogram(s) or Symbol(s)**


**Precautionary Statement(s):**

<b>Prevention</b>	Keep container tightly closed Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
<b>Response</b>	In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion
<b>Storage</b>	Store in a well-ventilated place. Keep container tightly closed Light sensitive.
<b>Disposal</b>	Dispose of contents/container to an approved waste disposal plant

**Section 3: Composition/Information on Ingredients**

<b>Substance/Mixture</b>	Substance			
<b>Components</b>	Sodium thiosulfate pentahydrate			
<b>% By Weight</b>	100			
<b>CAS#</b>	10102-17-7			
<b>Molecular Weight</b>	248.19 g/mole			
<b>Chemical Formula</b>	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> .5H <sub>2</sub> O			
<b>Synonym(s)</b>	Sodium Hyposulfite, Sodium thiosulfate, pentahydrate; thiosulfuric acid, disodium salt, pentahydrate			

**Mixtures**

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Sodium thiosulfate pentahydrate	10102-17-7	100	Not available.	Not available.

**Section 4: First-Aid Measures**

<b>Inhalation</b>	Remove to fresh air. If breathing is difficult, give oxygen. Get medical attention immediately if symptoms occur.
<b>Skin Contact</b>	Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately if symptoms occur.
<b>Eye Contact</b>	Rinse immediately. Do NOT induce vomiting. Get medical attention. Hold eye open with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.
<b>Ingestion</b>	Do NOT induce vomiting. Get medical attention.
<b>Symptoms/Effects</b>	
<b>Acute</b>	Not available
<b>Delayed</b>	Not available.

**Immediate Medical Attention**

Treat symptomatically.

**Section 5: Fire-Fighting Measures****Suitable Extinguishing Media**

Not available.

**Unsuitable Extinguishing Media**

Not available.

**Products of Combustion**

Sulfur oxides. Sodium oxides Dust can form an explosive mixture with air. Containers may explode when heated. Thermal decomposition can lead to release of irritating gases and vapors. Keep product and empty container away from heat and sources of ignition.

**Firefighters Special Equipment and Precautions**

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

**Section 6: Accidental Release Measures**

Personal Precautions: Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust formation.

Environmental Precautions: Should not be released into the environment. See Section 12 for additional Ecological Information.

Methods for Containment and Clean Up: Sweep up and shovel into suitable containers for disposal. Avoid dust formation.

**Section 7: Handling and Storage**

Handling Wear personal protective equipment/face protection. Ensure adequate ventilation. Avoid contact with skin, eyes or clothing. Avoid ingestion and inhalation. Avoid dust formation. Storage. Keep containers tightly closed in a dry, cool and well-ventilated place. Incompatible Materials. Strong oxidizing agents.

**Section 8: Exposure Controls/Personal Protection**

<b>Exposure Limits</b>	Not available.
<b>Engineering Controls</b>	Ensure adequate ventilation, especially in confined areas. Use explosion-proof electrical/ventilating/lighting/equipment. Ensure that eyewash stations and safety showers are close to the workstation location.



## Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

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### Personal Protection

Eye 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. Hand Protection: Wear appropriate protective gloves and clothing to prevent skin exposure. Respiratory Protection: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. 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. Recommended Filter type: Particle filter Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash hands before breaks and after work

**Section 9: Physical and Chemical Properties**

<b>Appearance</b>	White. Solid.	<b>pH</b>	6.0-8.4 10% aq. sol
<b>Odor</b>	Odorless	<b>Vapor Pressure</b>	Not applicable.
<b>Odor Threshold</b>	Not available	<b>Vapor Density</b>	Not available.
<b>Melting Point</b>	48.5 °C / 119.3 °F	<b>Viscosity</b>	Not available.
<b>Freezing Point</b>	Not available	<b>Evaporation Rate</b>	Not available
<b>Boiling Point/Range</b>	Not available.	<b>Autoignition temperature</b>	Not available
<b>Decomposition temperature</b>	> 45°C	<b>Flammability or Explosive Limits:</b>	
<b>Partition Coefficient:</b> n-octanol/water	Not available	<b>Lower</b>	Not available
<b>Flash Point</b>	Not applicable.	<b>Upper</b>	Not available
<b>Flammability</b>	Not available		
<b>Solubility(ies)</b>	Souable in water.		
<b>Other</b>	Molecular Weight 248.18		

**Section 10: Stability and Reactivity**

<b>Reactivity</b>	Not available
<b>Chemical Stability</b>	Hygroscopic. Air sensitive. Light sensitive.
<b>Hazardous Polymerization</b>	Hazardous polymerization does not occur.
<b>Conditions to Avoid</b>	Avoid dust formation. Incompatible products. Excess heat. Exposure to moist air or water. Exposure to light. Exposure to air.
<b>Incompatible Materials</b>	Strong oxidizing agents
<b>Hazardous Decomposition Products</b>	Sulfur oxides, Sodium oxides

**Section 11: Toxicological Information**

<b>RTECS</b>	WE6660000
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**Acute Toxicity**

Oral LD50 Based on ATE data, the classification criteria are not met. ATE > 2000 mg/kg. Dermal LD50 Based on ATE data, the classification criteria are not met. ATE > 2000 mg/kg. Mist LC50 Based on ATE data, the classification criteria are not met. ATE > 5 mg/l.

**Skin Corrosion/Irritation**

Not available

**Serious Eye Damage/Irritation**

Not available

**Respiratory or Skin Sensitization**

Not available

**Germ Cell Mutagenicity**

Not available

**Carcinogenicity**

Not available

**Reproductive Toxicity**

Not available

**Routes of Entry**

Inhalation. Ingestion.

**Symptoms Related to Exposure**

Not available

**Potential Health Effects**

Not available.

**Target Organ(s)** Not available**Section 12: Ecological Information****Ecotoxicity**

Freshwater Fish: Pimephales promelas: LC50&gt;10000mg/L/96h

**Persistence and Degradability**

Soluble in water Persistence is unlikely based on information available.

**Bioaccumulative Potential**

Not available

**Mobility in Soil**

Will likely be mobile in the environment due to its water solubility log Pow -4.35

**Other Adverse Effects**

Not available

**Section 13: Disposal Considerations****Waste Disposal**

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.

**Disposal of Container**

Not available

**Other Considerations**

Not available

**Section 14: Transport Information****DOT Classification**

DOT Not a DOT controlled material (United States). This material is not classified dangerous good according to international transportation regulations (ADR/RID-IMDG-ICAO/IATA).

**Section 15: Regulatory Information****Regulations**

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQs) in 40 CFR 355 (used for SARA 302, 304, 311 and 312). Components present in this product at a level which could require reporting under the statute are: NONE

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual report release of toxic chemicals that appear in 40 CFR 372 (used for SARA 313). This information must be included in all MSDSs that are copied and distributed for this material. Components present in this product at a level which could require reporting under the statute are: NONE

**Other**

WHMIS CLASS D-2A: Material causing other toxic (Canada) effects (VERY TOXIC).;DSCL (EEC) R36- Irritating to eyes.;Gloves.;Lab coat.;Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.;Splash goggles.

**Section 16: Other Information**



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The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Canton be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Canton has been advised of the possibility of such damages.