



### I. Product and Company Information

<b>Product Name:</b>	Sodium Thiosulfate Solution	<b>Synonym:</b>	STS, Thio
<b>Chemical Name:</b>	Sodium Thiosulfate Solution	<b>CAS Number:</b>	7772-98-7
<b>Manufacturer's Name:</b> Southern Ionics Incorporated 579 Commerce Street West Point, MS 39773 Customer Service: 1-800-953-3585 Web Site <a href="http://www.southernionics.com">www.southernionics.com</a>		<b>Emergency Contacts:</b> Afterhours (Southern Ionics) 1-888-610-2379  For Chemical Emergency, Spill or Accident Call CHEMTREC at 1-800-424-9300 CHEMTREC CCN - 20596	

### II. Hazard Identification

<b>OSHA HCS / GHS Classification(s):</b>		<b>Hazard Statement(s):</b>	
Not classified under GHS Rules		May cause eye irritation.	
		May cause skin irritation.	
		May be harmful if swallowed.	
		May be harmful if inhaled.	
<b>GHS Signal Word:</b>	<b>Precautionary Statement(s):</b>		
	<b>Prevention:</b>	See Section VIII. Personal Protective Equipment.	
<b>GHS Symbol(s):</b> Not Applicable	<b>Response:</b>	See Section IV. First Aid Measures.	

### III. Composition / Information on Ingredients

<b>Chemical Name:</b>	<b>CAS Reg #'s</b>	<b>%</b>
Sodium Thiosulfate	7772-98-7	29 - 49
Water	7732-18-5	Balance

### IV. First Aid Measures

<b>Eyes:</b>	Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Check for and remove any contact lenses. Seek medical attention, if you feel unwell.
<b>Dermal / Skin:</b>	Remove contaminated clothing and wash exposed area thoroughly with soap and water. Seek medical attention, if you feel unwell.
<b>Inhalation:</b>	Move to fresh air immediately. If breathing is difficult, give oxygen. Seek medical attention, if you feel unwell.
<b>Ingestion:</b>	If swallowed, DO NOT induce vomiting. Rinse mouth. If conscious give 4 to 8 ounces of water to dilute material. Seek medical attention, if you feel unwell.

### V. Fire Fighting Measures

<b>NFPA Hazard Rating:</b>	Health (Blue)	Fire (Red)	Reactivity (Yellow)	Special Instructions (White)
	1	0	0	None
<b>NFPA Hazard Classification: 0 = Least 1=Slight 2= Moderate 3= High 4= Extreme</b>				
<b>Extinguishing Media:</b>	Use extinguishing media appropriate for surrounding fire.			
<b>Special Firefighting Procedure:</b>	Wear NIOSH-approved self-contained breathing apparatus (SCBA). Use water spray to keep containers cool and to knock down fumes. CAUTION: when subjected to excess heat, product releases additional sulfur dioxide gas.			

### VI. Accidental Release Measures

<b>Precaution if Spilled or Released:</b>	Steps should be taken to contain spilled liquids and prevent discharges to streams or sewer systems.
<b>Neutralizing Chemicals:</b>	None

### VII. Handling and Storage

<b>Handling:</b>	Handle all chemicals with respect. Keep separated from incompatible substances. Handle only with equipment, materials and supplies specified by their manufacturer as being compatible and appropriate for use with this product.
<b>Storage:</b>	Store at appropriate temperature to protect from freezing or crystallization. Consult the appropriate SII Product Bulletin for temperature recommendations. Do not store this material near food, animal feed or drinking water. Store in well ventilated area. Store away from excessive heat (e.g. steam pipes, radiators), and from reactive materials. Keep container tightly closed when not in use.

### VIII. Exposure Control / Personal Protective Equipment

<b>Component Workplace Control Parameters:</b>				
<b>Components:</b>	<b>CAS-No.</b>	<b>Value</b>	<b>Parameters</b>	<b>Basis</b>
No Data Available				
<b>Engineering Controls:</b>	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.			
<b>General Hygiene:</b>	Practice good personal hygiene after using this material, especially before eating, drinking, smoking or using the toilet.			
<b>Personal Protection Equipment:</b>				
<b>Eye:</b>	Use chemical splash goggles and face shield. Eye protection worn must be compatible with respiratory protection system employed.			
<b>Skin:</b>	Chemically resistant gloves should be worn whenever this material is handled. Gloves should be removed and replaced immediately if there is any indication of degradation or chemical breakthrough.			
<b>Respiratory:</b>	None required under normal conditions. When conditions warrant a respirator, use NIOSH approved respirator and cartridge for particulates and Sulfur Dioxide.			
<b>Other Protective Items:</b>	Where splash is possible, full chemically resistant protective clothing and boots should be worn. Ensure that eyewash stations and safety showers are proximal to the work-station location.			
<b>HMIS Classification:</b>	Health (Blue)	Flammability (Red)	Physical Hazard (Yellow)	PPE (White)
	1	0	0	See Above
<b>Hazard Classification: 0 = Minimal 1=Slight 2= Moderate 3= Serious 4= Severe</b>				

### IX. Physical and Chemical Properties

<b>Physical State:</b>	Liquid	<b>pH:</b>	8.0 to 11.0
<b>Appearance:</b>	Clear to amber liquid	<b>Molecular Weight:</b>	158.1 Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>
<b>Odor:</b>	Sulfur like	<b>Odor Threshold:</b>	No Data Available
<b>Specific Gravity:(H<sub>2</sub>O=1)</b>	1.26 to 1.50 @ 77°F/25°C	<b>Weight per Gallon:</b>	10.5 to 12.5 @ 77°F/25°C
<b>Vapor Density: (Air=1)</b>	No Data Available	<b>Vapor Pressure:</b>	No Data Available
<b>Boiling Point:</b>	217°F/103°C Estimated	<b>Freezing/Melting Point:</b>	14°F/-10°C
<b>Lower Explosive Limit:</b>	Not Applicable	<b>Upper Explosive Limit:</b>	Not Applicable
<b>Flash Point:</b>	Not Applicable	<b>Autoignition Temp:</b>	Not Applicable
<b>Solubility in Water:</b>	Dilutable		
<b>Other:</b>			

### X. Stability and Reactivity Data

<b>Chemical Stability:</b>	Product is stable under normal or expected use.
<b>Conditions To Avoid:</b>	Avoid exposure to excessive heat of dried materials and contact with strong acids.
<b>Incompatible Materials:</b>	Avoid contact with the following: Strong acids.
<b>Hazardous Products of Decomposition:</b>	If dried material is overheated, decomposition may yield sulfur dioxide – toxic fumes.

### XI. Toxicological Information

<b>Routes of Entry:</b>	<input checked="" type="checkbox"/> Eyes <input checked="" type="checkbox"/> Skin <input checked="" type="checkbox"/> Ingestion <input checked="" type="checkbox"/> Inhalation					
<b>Sign and symptoms of Exposure:</b>	May cause irritation to eyes, skin and respiratory passages.					
<b>Eye Contact:</b>	May cause irritation.					
<b>Ingestion:</b>	May be harmful if swallowed.					
<b>Skin Contact:</b>	May cause irritation.					
<b>Inhalation:</b>	May be harmful if inhaled. May cause respiratory tract irritation.					
<b>Carcinogenicity:</b>	<b>NPT</b>	Not Listed	<b>IARC</b>	Not Listed	<b>OSHA</b>	Not Regulated
<b>Ingredient Name:</b>	<b>Species</b>		<b>Test</b>		<b>Route</b>	<b>Results</b>
	No Data Available					
<b>Comments:</b>						

### XII. Ecological Information

<b>Ingredient Name:</b>	<b>Species</b>	<b>Test</b>	<b>Period</b>	<b>Results</b>
Sodium Thiosulfate	Daphnia magna	520mg/L	48 hours	NOEC
<b>Comments:</b>				

### XIII. Disposal Considerations

<b>Waste Disposal:</b>	Always dispose of material in accordance with local, state, and federal regulations.
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### XIV. Transportation Information

<b>Proper Shipping Name:</b>	Sodium Thiosulfate Solution				
<b>DOT Classification:</b>	Not Regulated by USDOT				
<b>Identification Number:</b>		<b>Packing Group:</b>		<b>Other Labels:</b>	

## XV. Regulatory Information

Inventory Status:		US Regulations:	
U. S. TSCA	Yes	SARA 302 TPQ	Not Listed
Europe EINECS	Yes	SARA 304 RQ	Not Listed
Canadian DSL	Yes	SARA 313 List	Not Listed
Japan ENCS	No	CERCLA (RQ)	Not Listed
Korean KECI	Yes	RCRA 261.33	Not Listed
Philippines PICCS	Yes		
Australian AICS	Yes		
		SARA 311/312	<input checked="" type="checkbox"/> Acute <input type="checkbox"/> Chronic <input type="checkbox"/> Fire <input type="checkbox"/> Release of Pressure <input type="checkbox"/> Reactive
International Regulations:		Other Regulations:	
Canada WHMIS	Not Listed	California PROP 65	Not Listed
		FDA - GRAS	21 CFR 184.1807
EINECS	231-867-5		

## XVI. Other Information

<b>NSF Certification:</b>	_____
<b>Other:</b>	_____
<b>Revision Notes:</b>	_____
<b>MSDS Replacements:</b>	<u>SII MSDS 037 Sodiun Thiosulfate Solution, SII MSDS 079 Sodium Thiosulfate Solution (39% -49%) and SII MSDS 106 Sodium Thiosulfate, 40%.</u>

### SALES OFFICE

**For Product Information:**

TEL: 662-494-3055  
FAX: 662-494-2828

Post Office Drawer 1217  
West Point, MS 39773

**To Place An Order:**

TEL: 800-953-3585  
FAX: 800-953-3588

### IMPORTANT

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