



# HASA HI-TEMP SPA NEUTRALIZER

## Safety Data Sheet

Emergency 24 Hour Telephone: **CHEMTREC 800.424.9300**


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**HASA HI-TEMP SPA NEUTRALIZER**  
Safety Data Sheet (SDS No. 406)

### SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1	<b>Product Identification:</b>	
1.1.1	<b>Product Name:</b>	Hasa Hi-Temp Spa Neutralizer
1.1.2	<b>CAS #</b> (Chemical Abstracts Service Registry Number):	10102-17-7
1.1.3	<b>EINECS</b> (European Inventory of Existing Commercial Substances):	231-867-5
1.1.4	<b>RTECS</b> (Registry of Toxic Effects of Chemical Substances):	WE6660000
1.1.5	<b>Chemical Name:</b>	Sodium Thiosulfate Pentahydrate
1.1.6	<b>Chemical Formula:</b>	$\text{Na}_2\text{S}_2\text{O}_3 \cdot 5\text{H}_2\text{O}$
1.1.7	<b>Synonym:</b>	Sodium hyposulfite, Hyposulphite of soda.
1.2	<b>Recommended Uses:</b>	To lower chlorine levels in swimming pools and spas following super chlorination.
1.3	<b>Company Identification:</b>	Hasa Inc. P. O. Box 802736 Santa Clarita, CA 91355
1.4	<b>Emergency Telephone Number:</b>	<b>CHEMTREC:</b> 1-800-424-9300 (24 hour Emergency Telephone)
1.5	<b>Non-Emergency Assistance:</b>	661-259-5848 (8 AM – 5 PM PST / PDT)

**SECTION 2: HAZARD(S) IDENTIFICATION**

<b>HAZARD CATEGORY</b>	Serious Eye Damage / Eye Irritation: Category 2B Skin Corrosion / Irritation: Category 2 Acute Toxicity - Inhalation: Category 4
<b>SYMBOLS</b>	
<b>SIGNAL WORD</b>	<b>WARNING</b>
<b>HAZARD STATEMENT</b>	Causes eye irritation. Causes skin irritation. Harmful if inhaled.
<b>PRECAUTIONARY STATEMENTS</b>	<b>Prevention</b>
	Wash hands thoroughly after handling. Wear protective gloves. Avoid breathing dust. Use only outdoors or in a well-ventilated area.
	<b>Response</b>
	<b>IF IN EYES:</b> Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention. <b>IF ON SKIN:</b> Wash with plenty of water. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash it before reuse. <b>IF INHALED:</b> Remove person to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell. If medical advice is needed, have product container or label at hand.

**SECTION 3: COMPOSITION INFORMATION ON INGREDIENTS**

Ingredient	Synonym	CAS No.	Approx. Wt.%
Sodium Thiosulfate Pentahydrate	Sodium hyposulfite; Hyposulphite of soda	10102-17-7	> 99%

**SECTION 4: FIRST AID MEASURES**

4.1	<b>IF IN EYES</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
4.2	<b>IF ON SKIN OR CLOTHING</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
4.3	<b>IF INHALED</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
4.4	<b>IF SWALLOWED</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>

**HOT LINE NUMBER**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.

**NOTE TO PHYSICIAN**

Probable mucosal damage may contraindicate the use of gastric lavage.

**SECTION 5: FIRE FIGHTING MEASURES**

5.1	<b>Flammability:</b>	Nonflammable.
5.2	<b>Auto-Ignition Temperature:</b>	Not applicable.
5.3	<b>Flash Point:</b>	Not applicable.
5.4	<b>Flammable Limits:</b>	Not applicable.
5.5	<b>Extinguishing Media:</b>	Material is not combustible. Use extinguishing media appropriate to surrounding fire conditions..
5.6	<b>Products of Combustion:</b>	Sulfur dioxide, hydrogen sulfide and sodium sulfide residue.
5.7	<b>Fire Hazards in Presence of Various Substances:</b>	Not applicable.
5.8	<b>Special Fire-fighting Procedures:</b>	Use water spray to cool containers exposed to fire. Minimize exposure. Do Not breathe fumes. Contain run-off. In closed spaces, don self-contained breathing apparatus in positive pressure mode.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

6.1	<b>Small Spill:</b>	Promptly sweep up or shovel with minimum dusting and place in a plastic bag or an empty container with a cover. Cautiously spray residue with plenty of water.
6.2	<b>Large Spill:</b>	Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow evacuating through the sanitary system. Dispose of according to local and regional authority requirements.

**SECTION 7: HANDLING AND STORAGE**

7.1	<b>Handling:</b>	Do not breathe dust. Do not get in eyes, on skin, or on clothing.
7.2	<b>Storage:</b>	Store in a cool, dry and well-ventilated area away from incompatible materials. Keep in securely fastened containers.

**SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

8.1	<b>Engineering Controls:</b>	Provide local exhaust if dusty or misty condition exists or if there is a release of sulfur dioxide or hydrogen sulfide gas.		
8.2	<b>Personal Protection:</b>			
	8.2.1 <b>Eyes:</b>	Chemical safety goggles. Do not wear contact lenses.		
	8.2.2 <b>Respiratory:</b>	Dust respirator Be sure to use an approved/certified respirator or equivalent.		
	8.2.3 <b>Skin &amp; Body:</b>	Body covering clothes & boots.		
	8.2.4 <b>Hands:</b>	Protective rubber gloves.		
8.3	<b>Exposure Limits:</b>	Sodium Thiosulfate Pentahydrate	Sulfur Dioxide*	Hydrogen Sulfide*
	8.3.1 <b>OSHA PEL</b>	Not established.	5 ppm	Not established.
	8.3.2 <b>ACGIH STEL</b>	Not established.	5 ppm	15 ppm
	8.3.3 <b>ACGIH TLV</b>	Not established.	2 ppm	10 ppm
		* Sulfur Dioxide may be present as a decomposition product. * Hydrogen Sulfide may be present as a decomposition product.		

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

9.1	<b>Appearance:</b>	Colorless crystalline solid.
9.2	<b>Odor:</b>	Odorless.
9.3	<b>Odor Threshold:</b>	Odorless.
9.4	<b>pH:</b>	6.0 – 8.4 (5% solution)
9.5	<b>Melting Point:</b>	48°C
9.6	<b>Freezing point:</b>	No information available.
9.7	<b>Boiling Point &amp; Boiling Range:</b>	No information available.
9.8	<b>Flash Point:</b>	No information available.
9.9	<b>Evaporation Rate:</b>	No information available.
9.10	<b>Flammability (solid, gas):</b>	Not flammable
9.11	<b>Upper / Lower Flammability or Explosive Limits:</b>	No information available.
9.12	<b>Vapor Pressure:</b>	Not applicable.
9.13	<b>Vapor Density:</b>	Not applicable.
9.14	<b>Relative Density (Specific Gravity):</b>	1.7 – 1.75
9.15	<b>Solubility in Water:</b>	68 g/100 g (@ 20°C
9.16	<b>Partition Coefficient: (n-octanol / water):</b>	No information available.
9.17	<b>Auto-ignition Temperature:</b>	No information available.
9.18	<b>Decomposition Temperature:</b>	No information available.
9.19	<b>Molecular Weight:</b>	248.2 g/mole
9.20	<b>Viscosity:</b>	No information available.

**SECTION 10: STABILITY AND REACTIVITY**

10.1	<b>Stability:</b>	Stable under normal use and storage conditions.
10.2	<b>Instability Temperature:</b>	No information available.
10.3	<b>Conditions of Instability:</b>	Incompatible materials, moisture.
10.4	<b>Incompatibility:</b>	Acids, oxidizing agents.
10.5	<b>Corrosivity:</b>	Not corrosive in presence of glass.
10.6	<b>Special Remarks on Reactivity:</b>	<p>It is a strong reducing agent and can react with oxidizers.</p> <p>Reacts with acids to release sulfur dioxide.</p> <p>Sodium Thiosulfate pentahydrate dissolves in its own water of hydration; it effloresces in warm dry air.</p> <p>Sodium Thiosulfate pentahydrate loses water at 100° C.</p> <p>It is incompatible with iodine, acids, lead, mercury, and silver salts (e.g. silver nitrate), halogens.</p> <p>Hygroscopic; keep container tightly closed. Protect from moisture.</p>
10.7	<b>Hazardous Polymerization:</b>	Will not occur.

**SECTION 11: TOXICOLOGICAL INFORMATION**

11.1	<b>Routes of Entry:</b>	Eyes and nose.
11.2	<b>Acute Toxicity (animals):</b>	
	11.2.1 <b>Oral Toxicity:</b> (LD <sub>50</sub> )	No data available.
	11.2.2 <b>Dermal Toxicity:</b> (LD <sub>50</sub> )	No data available.
	11.2.3 <b>Eye Irritation:</b>	No data available.
11.3	<b>Overexposure Effects on Humans:</b>	
	11.3.1 <b>Ocular:</b>	Causes eye irritation.
	11.3.2 <b>Dermal:</b>	Causes skin irritation.
	11.3.3 <b>Inhalation:</b>	May cause upper respiratory tract and mucous membrane irritation.
	11.3.4 <b>Ingestion:</b>	Sodium Thiosulfate is an agent with a low order of toxicity. Ingestion of large doses may cause gastrointestinal irritation disturbances with nausea, vomiting, abdominal cramping, diarrhea, metabolic acidosis, and hypernatremia. It may result in a cathartic (laxative, purging) effect. May also affect respiration (cyanosis, respiratory stimulation), cardiovascular (hypotension) behavior (ataxia, convulsions)
11.4	<b>Chronic Effects on Humans:</b>	Prolonged or repeated skin contact may allergic dermatitis, and irritation.
11.5	<b>Carcinogenic [Cancer Potential] Information:</b>	
	11.5.1 <b>NTP</b> (National Toxicological Program 6 <sup>th</sup> Annual Report on Carcinogens):	Not Listed.
	11.5.2 <b>IARC</b> (International Agency for Research on Cancer Monographs, V. 1-100):	Not Listed.
	11.5.3 <b>Proposition 65, California only:</b> (Safe Drinking Water and Toxic Enforcement Act of 1986):	Not Listed.

**SECTION 12: ECOLOGICAL INFORMATION**

12.1	<b>Ecotoxicity:</b>	Not available.
12.2	<b>Bioaccumulation:</b>	Bioaccumulation is not likely to occur since this material is highly soluble in water.
12.3	<b>Biodegradation:</b>	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
12.4	<b>Toxicity of Biodegradation:</b>	Products of degradation may be hazardous. See section 8.3.

**SECTION 13: DISPOSAL CONSIDERATIONS**

Unused material is not RCRA hazardous waste if discarded.  
 Waste must be disposed of in accordance with federal, state and local environmental control regulations.

**SECTION 14: TRANSPORT INFORMATION**

<b>U.S. DOT Classification</b>	Not regulated.
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**SECTION 15: REGULATORY INFORMATION**

<b>15.1</b>	<b>U.S. Regulations:</b>	
15.1.1	<b>OSHA HAZCOM</b> (Hazard Communication)	This product is considered hazardous under the HAZCOM Standard (29 CFR 1910.1200)
15.1.2	<b>OSHA PSM</b> (Process Safety Management)	Not regulated under PSM Standard (29 CFR 1910.119)
15.1.3	<b>EPA FIFRA</b> (Federal Insecticide, Fungicide and Rodenticide Act)	Not regulated as a pesticide.
15.1.4	<b>EPA EPCRA</b> (Emergency Planning and Community Right-to-Know Act)	Not regulated.
15.1.5	<b>EPA TSCA</b> (Toxic Substance Control Act)	Listed on the inventory.
15.1.6	<b>EPA RCRA</b> (Resource Conservation and Recovery Act)	This material does not meet RCRA's characteristic definition of ignitability, corrosivity, or reactivity, and is not listed in 40 CFR 261.33.
15.1.7	<b>EPA RMP</b> (Risk Management Plan)	Not regulated. (40 CFR 68.130)
<b>15.2</b>	<b>State of California Regulations:</b>	
15.2.1	<b>Prop 65</b> (Safe Drinking Water and Toxic Enforcement Act of 1986):	Not Listed.
15.2.2	<b>CalARP</b> (California Accidental Release Prevention):	Not regulated.
15.2.3	<b>CDPR</b> (California Department of Pesticide Regulation):	Not regulated.
<b>15.3</b>	<b>Canada Regulations:</b>	
15.3.1	<b>WHMIS</b> (Workplace Hazardous Materials Information System):	No information.
15.3.2	<b>DSL</b> (Domestic Substances List)	The substance is specified on the DSL.
<b>15.4</b>	<b>International Inventory:</b>	
15.4.1	<b>AICS</b> (Australian Inventory of Chemical Substances):	On inventory or in compliance with inventory.
16.5.1	<b>KECI</b> (Korean Existing Chemicals Inventory):	On inventory or in compliance with inventory.
16.5.2	<b>PICCS</b> (Philippine Inventory of Chemicals and Chemical Substances):	On inventory or in compliance with inventory.
16.5.3	<b>IECSC</b> (Inventory of Existing Chemical Substances in China):	On inventory or in compliance with inventory.
16.5.4	<b>NZIoC</b> (New Zealand Inventory of Chemicals):	On inventory or in compliance with inventory.

<b>SECTION 16: OTHER INFORMATION</b>		
16.1	<b>HMIS III</b> (Hazardous Materials Identification System):	
16.1.1	<b>HEALTH</b>	<b>2</b>
16.1.2	<b>FLAMMABILITY</b>	<b>0</b>
16.1.3	<b>PHYSICAL HAZARD</b>	<b>0</b>
16.1.4	<b>PERSONAL PROTECTION</b>	See Section 8.
16.2	<b>NFPA 704</b> (National Fire Protection Association):	
16.2.1	<b>HEALTH</b>	<b>1</b>
16.2.2	<b>FLAMMABILITY</b>	<b>0</b>
16.2.3	<b>INSTABILITY</b>	<b>0</b>
16.2.4	<b>SPECIAL</b>	<b>None</b>
16.3	<b>International Fire Code / International Building Code:</b>	No information.
16.4	<b>ANSI</b> (American National Standards Institute):	
16.4.1	<b>Hazardous Industrial Chemicals - MSDS-Preparation:</b>	Complies with <b>ANSI Z400.1 – 2004.</b>
16.4.2	<b>Hazardous Industrial Chemicals - Precautionary Labeling:</b>	Complies with <b>ANSI Z129.1 – 2006.</b>



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