

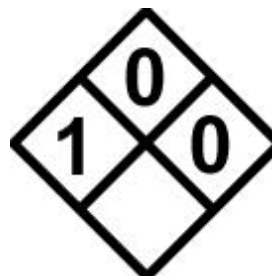


# HASA HI-TEMP SPA FILTER SOAK

## Material Safety Data Sheet

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**HASA HI-TEMP SPA FILTER SOAK**  
Material Safety Data Sheet MSDS No. 503

### IDENTIFICATION OF PRODUCT

<b>Product Name:</b>	Hasa Hi-Temp Spa Filter Soak
<b>Common Chemical Names:</b>	Proprietary Mixture
<b>Chemical Family:</b>	Sequestrant
<b>Ingredients:</b>	Contains no hazardous ingredients.

### PHYSICAL AND CHEMICAL PROPERTIES

<b>Vapor Pressure:</b>	Not applicable.	<b>Flash Point:</b>	Not Known.
<b>Weight/Gallon:</b>	10 lbs 12 oz	<b>pH:</b>	6.5 – 7 (2.5% Solution)
<b>Specific Gravity:</b>	<1.4 @ 25° C (water = 1)	<b>Odor:</b>	Slight Ammonia
<b>Bulk Density:</b>	Not applicable.	<b>Boiling Point:</b>	108° C
<b>Melting Point:</b>	Not applicable.	<b>Freezing Point:</b>	No Data.
<b>Physical State:</b>	Liquid Solution	<b>Color:</b>	Clear amber liquid
<b>Solubility:</b>	Soluble	<b>Stability:</b>	Stable

### FIRE AND EXPLOSION INFORMATION

<b>Flash Point:</b>	Not Known.	<b>Auto Ignition Temperature:</b>	Not Known.
<b>Lower Explosion Limit:</b>	(%) Not Applicable.	<b>Upper Explosion Limit:</b>	(%) Not Applicable.
<b>Extinguishing Media:</b>	Dry Chemical, Water, Alcohol Foam, CO2		
<b>Special Fire Fighting Procedures:</b>	Must wear NIOSH/MSHA approved self-contained breathing apparatus and protective clothing. Cool fire-exposed containers with water spray.		
<b>Unusual Fire and Explosion Hazards:</b>	Products of combustion are toxic.		

### HEALTH EFFECTS INFORMATION

<b>Primary Routes of Entry:</b>	Skin Contact, Eye Contact, Inhalation, Ingestion		
<b>Effects of Overexposure:</b>	No information found for this product. Based upon animal toxicity information, it is anticipated that direct or prolonged skin contact may cause skin or eye irritation.		
<b>Overexposure May Aggravate Existing Conditions:</b>	No effects indicated.		

<b>Emergency and First Aid Procedures:</b>	
<b>Eyes:</b>	Flush eyes with plenty of water for several minutes. Seek medical attention if irritation persists.
<b>Skin:</b>	Wash affected areas with plenty of water, and soap if available, for several minutes. Seek medical attention if irritation persists.
<b>Ingestion:</b>	If swallowed, give 3-4 glasses of water. Seek immediate medical attention.
<b>Inhalation:</b>	Remove from area to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.

<b>Chemicals listed as Carcinogen by:</b>	
<b>National Toxicology Program:</b>	No
<b>I.A.R.C. Monographs:</b>	No
<b>OSHA:</b>	No

<b>REACTIVITY INFORMATION</b>	
<b>Stability:</b> Stable	<b>Conditions to Avoid:</b> None Known.
<b>Hazardous Decomposition Products:</b> Thermal decomposition may produce toxic organic vapors/fumes and oxides of carbon and nitrogen.	
<b>Hazardous polymerization:</b> Will not occur.	<b>Conditions to Avoid:</b> None Known.
<b>Incompatibility (materials to avoid):</b> Oxidizing agents	

<b>SPILL AND DISPOSAL INFORMATION</b>	
<b>Steps to be Taken in Case Material is Released or Spilled:</b>	Caution! Floors may become slippery. Wear appropriate protective equipment and MSHA/NIOSH approved respirator where mist or vapors of unknown concentrations may be generated (self contained breathing apparatus preferred).  Dike and contain spill with inert material (sand, earth, etc.) and transfer the liquid and solid separately to containers for recovery or disposal. Keep spill out of sewers and open bodies of water.
<b>Waste Disposal Methods:</b>	Dispose of in compliance with all Federal, state, and local laws and regulations. Incineration is the preferred method.

<b>PERSONAL PROTECTION INFORMATION</b>	
<b>Ventilation Type:</b>	In processes where mists or vapors may be generated, proper ventilation must be provided in accordance with good ventilation practices.
<b>Respiratory Protection:</b>	Where mist or vapors are generated by the process a NIOSH/MSHA jointly approved respirator is advised in the absence of proper environmental controls.
<b>Protective Gloves:</b>	Rubber or neoprene, when needed, to prevent skin contact.
<b>Eye Protection:</b>	Wear chemical splash goggles where there is a potential for eye contact. Use safety glasses with side shields under normal use conditions.
<b>Other Protective Equipment:</b>	Eyewash; safety shower; protective clothing (long sleeves, coveralls or other, as appropriate), when needed, to prevent skin contact.

<b>STORAGE AND HANDLING</b>	
<b>Precautions for Storage and Handling:</b>	Keep containers closed until used.

TOXICOLOGY INFORMATION

<b>Oral LD<sub>50</sub> (rat):</b>	10750 mg/kg
<b>Eye irritation (rabbit):</b>	0.1 ml instilled to the eye of the rabbits without rinsing was found to be minimally irritating (Draize score 0.8 at 24 hrs., post-dose) that cleared by day 7 post-dose (Draize score 0.0 after 7 days).
<b>Skin irritation (rabbit):</b>	0.5 ml applied to the skin and occluded for 24 hrs was found to cause well-defined to severe redness at 24 hrs., that subsided to barely perceptible at 72 hrs. (Primary irritation index = 2.3) (Moderate irritant).

MATERIAL CLASSIFICATION

<b>OSHA Hazard Communication Standard, Department of Labor, Occupational Safety and Health Division, 29 CFR 1910.1200:</b>	Irritant
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