



HASA HI-TEMP SPA FOAM OUT

Safety Data Sheet

Emergency 24 Hour Telephone: **CHEMTREC 800.424.9300**

Corporate Headquarters: HASA Inc.
25152 Springfield Court, Suite 300
Valencia, CA 91355
Telephone • 661.259.5848
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SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1	Product Identification:		
	1.1.1	Product Name:	HASA HI-TEMP SPA FOAM OUT
	1.1.2	Chemical Name:	Polydimethylsiloxane (emulsion in water)
1.2	Recommended Use:		Industrial defoaming agent.
1.3	Company Identification:		HASA Inc. 25152 Springfield Court, Suite 300 Valencia, CA 91355
1.4	Emergency Telephone Number:		CHEMTREC 1-800-424-9300 (24 hour)
1.5	Non-Emergency Assistance:		661-259-5848 (8 AM – 5 PM PST / PDT)

SECTION 2: HAZARD(S) IDENTIFICATION

Hazard Category	Eye irritation:	Category 2B
Symbol	None	
Signal Word	WARNING	
Hazard Statements	Causes skin irritation. (H315) Causes eye irritation. (H320)	
Precautionary Statements	Prevention	
	Wash hands thoroughly after handling.	
	Response	
	IF IN EYES: 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.	

SECTION 3: COMPOSITION INFORMATION ON INGREDIENTS

3.1	Polydimethylsiloxane (emulsion in water)
3.2	This material does not contain any hazardous substances at or above OSHA and WHMIS reportable levels.

SECTION 4: FIRST AID MEASURES

4.1	IF IN EYES	• Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
4.2	IF ON SKIN OR CLOTHING	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
4.3	IF INHALED	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.
4.4	IF SWALLOWED	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.

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

Treat exposure symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

5.1	Flammable Properties:	
	5.1.1 Flash Point:	Not applicable.
	5.1.2 Boiling Point / oiling Range	100°C (212°F)
	5.1.3 Lower Explosion Limit (LEL)	Not applicable.
	5.1.4 Upper Explosion Limit (UEL)	Not applicable.
	5.1.5 Auto-Ignition Temperature	Not applicable.
5.2	Fire and Explosion Hazards:	Material does not burn. This material does not present any unusual fire or explosion hazards.
5.3	Extinguishing Media:	Water – use fine spray or fog. Dry chemical. Carbon dioxide. Water may be suitable to cool tanks and structures adjacent to the fire.
5.4	Fire Fighting Procedures:	Full turn-out gear and self contained breathing apparatus (SCBA) should be worn when fighting large fires.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1	Precautions:	Silicone fluids are slippery; spills are a safety hazard. HAZWOPER PPE Level: D
6.2	Spill containment:	Prevent material from entering surface waters, drains or sewers and soil. Contain any fluid that runs out using suitable material (e.g. earth or sand). Spills of material which could reach surface waters must be reported to the United States Coast Guard National Response Center's toll free phone number (800) 424-8802.
6.3	Clean Up:	Take up mechanically and dispose of according to local/state/federal regulations. For small amounts: Absorb with a liquid binding material such as diatomaceous earth and dispose of according to local/state/federal regulations. Contain larger amounts and pump up into suitable containers. Clean any slippery coating that remains using a detergent / soap solution or another biodegradable cleaner.

SECTION 7: HANDLING AND STORAGE

7.1	General Information:	This material must be stirred thoroughly until homogenous before use.
7.2	Handling:	• Precautions for safe handling: • Keep container closed when not in use. • Use with adequate ventilation. • Avoid contact with eyes, skin, and clothing. • Avoid breathing dust/vapor/mist/gas/aerosol. • Wash thoroughly after handling.
7.3	Storage:	• Conditions for storage rooms and vessels: Protect against frost. Protect from freezing. • Advice for storage of incompatible materials: No restriction. Not corrosive to steel or aluminum. • Further information for storage: Store in the original container. Store in an area to prevent freezing during cold weather conditions. • Minimum temperature allowed during storage and transportation: 0°C (32°F) • Maximum temperature allowed during storage and transportation: 32°C (89°F)

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1	Engineering Controls:	
	8.1.1 Ventilation:	No special ventilation required.
	8.1.2 Local Exhaust:	Local exhaust ventilation which meets the requirements of ANSI 29.2 is recommended to control airborne contaminants at the point of use.
8.2	Personal Protection:	
	8.2.1 Eye:	Safety glasses with side shields or chemical safety goggles.
	8.2.2 Gloves:	Any liquid-tight rubber or vinyl gloves.
	8.2.3 Respiratory:	Respiratory protection is not normally required. A NIOSH approved air purifying respirator equipped with universal multi contaminant multi-gas/vapor cartridges is recommended if overexposure to chemical vapors could occur.
	8.2.4 Other Clothing And Equipment:	Provide eye wash and safety shower. Additional protective clothing or equipment is not normally required.
8.3	General Hygiene and Protection Measures:	
	Do not eat, drink, or smoke when handling.	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1	Appearance:	Liquid white.
9.2	Odor:	Characteristic.
9.3	Odor Threshold:	Not reported.
9.4	pH:	4.3 (approximate).
9.5	Melting Point:	Not pertinent.
9.6	Freezing point:	No information available.
9.7	Boiling Point & Boiling Range:	100°C (212°F)
9.8	Flash Point:	No information available.
9.9	Evaporation Rate:	No information available.
9.10	Flammability (solid, gas):	Not flammable.
9.11	Upper / Lower Flammability or Explosive Limits:	No information available.
9.12	Vapor Pressure:	22.66 hPa. (56-61% volatile.)
9.13	Vapor Density:	Not applicable
9.14	Relative Density (Specific Gravity):	1.01 g/cm ³
9.15	Solubility in Water:	Completely miscible.
9.16	Partition Coefficient: (n-octanol / water):	No information available.
9.17	Auto-ignition Temperature:	No information available.
9.18	Decomposition Temperature:	No information available.
9.19	Molecular Weight:	296.6 g/mole (as OMCTS)
9.20	Viscosity:	3000 cPs.

SECTION 10: STABILITY AND REACTIVITY

10.1	General:	Stable under normal conditions of use.
10.2	Conditions to Avoid:	None known.
10.3	Materials to Avoid:	No significant reactivity with water.
10.4	Hazardous Decomposition Products:	Measurements have shown the formation of small amounts of formaldehyde at temperatures $\geq 150^{\circ}\text{C}$ (302°F) through oxidation.
10.5	Hazardous Polymerization:	Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1	General information:	The toxicological results listed are based on tests with similar materials.
11.2	Acute toxicity (oral)	LD ₅₀ : > 34600 mg/kg (rat)
11.3	Acute toxicity (dermal)	LD ₅₀ : > 10200 mg/kg (rabbit)
11.4	Skin corrosion/irritation	Not irritating rabbit test report.
11.5	Serious eye damage / eye irritation	Mildly irritating rabbit test report.
11.6	Respiratory or skin sensitization	For this endpoint no toxicological test data is available for the whole product.
11.7	Germ cell mutagenicity:	For this endpoint no toxicological test data is available for the whole product.
11.8	Carcinogenicity:	For this endpoint no toxicological test data is available for the whole product.
11.9	Reproductive toxicity:	For this endpoint no toxicological test data is available for the whole product.
11.10	Specific target organ toxicity (single exposure)	For this endpoint no toxicological test data is available for the whole product.
11.11	Specific target organ toxicity (repeated exposure):	For this endpoint no toxicological test data is available for the whole product.

SECTION 12: ECOLOGICAL INFORMATION

12.1	Persistence and Degradability:	Silicone content: Elimination by adsorption to activated sludge. Biologically not degradable.
12.2	Mobility in Soil:	Silicone content: Absorbed by floating particles. Separation by sedimentation.
12.3	Bioaccumulative Potential:	Bioaccumulation is not expected to occur.
12.4	Ecotoxicological Effects:	According to past experience toxicity to fish is improbable. According to current knowledge adverse effects on water purification plants are not expected.
12.5	Other Adverse Effects	None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1	Product disposal:	Dispose of according to regulations by incineration in a special waste incinerator. Observe local/state/federal regulations.
13.2	Packaging disposal:	Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/federal regulations.

SECTION 14: TRANSPORT INFORMATION

14.1	US DOT:	Not regulated.
14.2	Canada TDG (Transportation of Dangerous Goods):	Not regulated.
14.3	Sea Transport IMO (International Maritime Organization) IMDG (International Maritime Dangerous Goods) Code:	Not regulated.
14.4	Air Transport ICAO (International Civil Aviation Organization) / IATA (International Air Transport Association) – DGR (Dangerous Goods Regulation):	Not regulated.

SECTION 15: REGULATORY INFORMATION

15.1	U.S. Regulations:	
	15.1.1 TSCA (Toxic Substance Control Act):	This material or its components are listed on or are in compliance with the requirements of the TSCA Chemical Substance Inventory
	15.1.2 TSCA 12(b) Export Notification:	This material does not contain any TSCA 12(b) regulated chemicals.
	15.1.3 CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act):	This material does not contain any CERCLA regulated chemicals.
	15.1.4 SARA (Superfund Amendments and Reauthorization Act) 302 EHS (Extremely Hazardous Substances):	This material does not contain any SARA Extremely Hazardous Substances.
	15.1.5 SARA 311/312 Hazard Class:	Delayed (chronic) health hazard.
	15.1.6 SARA 313 Chemicals:	This material does not contain any SARA 313 chemicals above de minimis levels.
15.2	State Regulations:	
	15.2.1 California Proposition 65:	This material does not contain any chemicals known to the state of California to cause cancer or reproductive effects.
	15.2.2 Massachusetts Substance List:	112945-52-5 silica amorphous, fumed.
	15.2.3 New Jersey Right-to-know Hazardous Substance List:	112945-52-5 silica amorphous, fumed.
	15.2.4 Pennsylvania Right-to-know Hazardous Substance List:	112945-52-5 silica amorphous, fumed.
15.3	Canada Regulations: This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all the information required by the CPR.	
	15.3.1 WHMIS (Workplace Hazardous Materials Information System):	D2A
	15.3.2 DSL (Domestic Substances List):	This material or its components are listed on the Canadian domestic substance list.
	15.3.3 Ingredient Disclosure List:	112945-52-5 silica amorphous, fumed. 112926-00-8 Amorphous precipitated Silica 9004-99-3 Stearyl alcohol poly glycol ether
15.4	International Inventory: On inventory or in compliance with inventory.	
	15.4.1 AICS (Australian Inventory of Chemical Substances)	
	15.4.2 KECI (Korean Existing Chemicals Inventory)	
	15.4.3 PICCS (Philippine Inventory of Chemicals and Chemical Substances)	
	15.4.4 IECSC (Inventory of Existing Chemical Substances in China)	
	15.4.5 NZIoC (New Zealand Inventory of Chemicals)	
	15.4.6 EINECS (European Inventory of Existing Commercial Substances)	

SECTION 16: OTHER INFORMATION

16.1	HMIS III (Hazardous Materials Identification System):		
	16.1.1	HEALTH	1
	16.1.2	FLAMMABILITY	0
	16.1.3	PHYSICAL HAZARD	0
	16.1.4	PERSONAL PROTECTION	Section 8
16.2	NFPA 704 (National Fire Protection Association):		
	16.2.1	HEALTH	Not established.
	16.2.2	FLAMMABILITY	
	16.2.3	INSTABILITY	
	16.2.4	SPECIAL	
16.3	International Fire Code / International Building Code:		Information not available.
16.4	ANSI (American National Standards Institute):		
	16.4.1	Hazardous Industrial Chemicals – MSDS-Preparation:	Complies with ANSI Z400.1 – 2004.
	16.4.2	Hazardous Industrial Chemicals - Precautionary Labeling:	Complies with ANSI Z129.1 – 2006.

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