



HASA ECO-SAFE POOL ENZYME

Safety Data Sheet


Emergency 24 Hour Telephone: **CHEMTREC 800.424.9300**

Corporate Headquarters: Hasa Inc.
P.O. Box 802736
Santa Clarita, CA 91355
Telephone • 661.259.5848
Fax • 661.259.1538

HASA ECO-SAFE POOL ENZYME
Safety Data Sheet (SDS No. 316)

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1	Product Identification:	
1.1.1	Product Name:	HASA Eco-Safe Pool Enzyme.
1.1.2	CAS # (Chemical Abstracts Service Registry Number):	Proprietary composition.
1.1.3	RTECS (Registry of Toxic Effects of Chemical Substances):	Not Available.
1.1.4	EINECS (European Inventory of Existing Commercial Substances):	Not Available.
1.1.5	Chemical Name:	Proprietary composition.
1.1.6	Chemical Formula:	Proprietary composition.
1.1.7	Synonym:	Not Available.
1.2	Recommended Uses:	Eliminates Scum / Waterline buildup. Improves Water Clarity. Keeps filter cleaner longer.
1.3	Company Identification:	Hasa Inc. P. O. Box 802736 Santa Clarita, CA 91355
1.4	Emergency Telephone:	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	Skin Corrosion / Irritation:	Category 2
	Eye Damage / Eye Irritation:	Category 2B
	Acute Toxicity - Oral	Category 4
Symbol		
Signal Word	WARNING	
Hazard Statement	Causes eye irritation. Causes skin irritation. Harmful if swallowed.	
Precautionary Statement	Prevention	
	Wash hands thoroughly after handling. Wear protective gloves. Do not eat, drink or smoke when using this product.	
	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.	
	IF ON SKIN: Wash with plenty of water. If skin irritation occurs, get medical attention. Take off contaminated clothing and wash it before reuse.	
	IF SWALLOWED: Call a poison center or doctor if you feel unwell. Rinse mouth.	
	If medical advice is needed, have product container or label at hand.	
Storage and Disposal		
Dispose of container/contents in accordance with local, regional, national, international regulations as specified.		

SECTION 3: COMPOSITION INFORMATION ON INGREDIENTS		
Ingredient	CAS No.	Weight %
This product is a proprietary composition "not considered hazardous" under the OSHA Hazard Communication Standard 29 CFR § 1910.1200.		

SECTION 4: FIRST AID MEASURES

4.1	IF IN EYES	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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

Probable mucosal damage may contraindicate the use of gastric lavage.

SECTION 5: FIRE FIGHTING MEASURES

5.1	Extinguishing Media:	Water fog or fine spray, carbon dioxide, dry chemical or foam.
5.2	Fire Fighting Protection:	As in any fire, wear self-contained breathing apparatus pressure demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
5.3	Flash Point:	None.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1	Personal Precautions:	Isolate area. Keep unnecessary personnel away. Keep out of low areas. Ventilate closed spaces before entering.
6.2	Environmental Precautions:	Prevent further leakage or spillage if safe to do so.
6.3	Methods for Containment:	Prevent entry into waterways, sewers, basements or confined areas.
6.4	Methods for Cleanup:	Wear appropriate protective equipment and clothing during clean-up.
	6.4.1 Large Spill:	Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Dispose in accordance with all local, state and federal regulations.
	6.4.2 Small Spill:	Follow same procedure as above.

SECTION 7: HANDLING AND STORAGE

7.1	Handling:	Avoid contact with skin and eyes. Wash hands thoroughly after handling.
7.2	Storage:	Store this product below 120 °F (49 °C), preferably below 75 °F (24 °C), in a cool, dry, well ventilated area away from heat, sparks, flame, oxidizers and out of direct sunlight. For best results, use within 24 months.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1	General:	Eye wash fountain is recommended.
8.2	Personal Protection:	
	8.2.1 Eyes:	Wear chemical goggles.
	8.2.2 Skin & Body:	Wear suitable protective clothing. Use impervious gloves.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1	Appearance:	Concentrated, biodegradable water treatment solution. Translucent amber liquid.
9.2	Odor:	Mild characteristic.
9.3	Odor Threshold:	No information available.
9.4	pH:	3.8 – 4.2 @ 77 °F (25 °C)
9.5	Melting Point:	Not pertinent.
9.6	Freezing point:	< 32 °F (0 °C)
9.7	Boiling Point & Boiling Range:	> 212 °F (100 °C)
9.8	Flash Point:	No information available.
9.9	Evaporation Rate (N-butyl acetate =1):	<0.01.
9.10	Flammability (solid, gas):	Not flammable.
9.11	Upper / Lower Flammability or Explosive Limits:	No information available.
9.12	Vapor Pressure:	<0.01 mm Hg @ 68 °F (20 °C)
9.13	Vapor Density:	Same as water.
9.14	Relative Density (Specific Gravity):	~1.01 – 1.03 @ 77 °F (25 °C) Or 8.4 – 8.5 lbs. /gallon
9.15	Solubility in Water:	Mixes infinitely with water.
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:	Proprietary formulation.
9.20	Viscosity:	No information available.

SECTION 10: STABILITY AND REACTIVITY

10.1	Stability:	Stable at normal conditions.
10.2	Incompatible Materials:	Strong oxidizing agents, alkalis.
10.3	Hazardous Decomposition Products:	None known.
10.4	Conditions to avoid:	See Section 7.
10.5	Hazardous Polymerization:	Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

According to the supplier, toxicological data is not available.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Readily biodegradable.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal:

Dispose in accordance with all applicable regulations. All wastes must be handled in accordance with local, state and federal regulations. Regulations vary.

Container Disposal:

Rinse with pool water and place in trash.

SECTION 14: TRANSPORT INFORMATION

US D.O.T.: Not regulated. Non-hazardous.

Proper Shipping Description: NMFC 48580.3 Cleaning/Scouring/Wash Comp Class 55

SECTION 15: REGULATORY INFORMATION

15.1 U.S. Regulations:

15.1.1	OSHA HAZCOM (Hazard Communication)	This material is not considered hazardous by the HAZCOM Standard (29 <i>CFR</i> § 1910.1200)
15.1.2	OSHA PSM (Process Safety Management)	Not regulated under PSM Standard (29 <i>CFR</i> § 1910.119)
15.1.3	EPA FIFRA (Federal Insecticide, Fungicide and Rodenticide Act)	Not regulated.
15.1.4	EPA TSCA (Toxic Substance Control Act)	All components are listed or exempted. TSCA 12(b): This product is not subject to export notification.
15.1.5	EPA RMP (Risk Management Plan)	Not regulated. (40 <i>CFR</i> § 68.130)


15.2 State of California Regulations:

15.2.1	CDPR (California Department of Pesticide Regulation)	Not regulated.
15.2.2	CalARP (California Accidental Release Prevention Program)	Not regulated.

15.3 Canada Regulations:

15.3.1	Canada DSL (Domestic Substances List)	All components of this product are on or exempt from the DSL.
--------	--	---

Note: Due to the changing nature of regulatory requirements, the REGULATORY INFORMATION listed above should NOT be considered all-inclusive or authoritative. International, Federal, State and Local regulations should be consulted to determine compliance with all required reporting requirements.

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	1
	16.2.2	FLAMMABILITY	0
	16.2.3	REACTIVITY	0
	16.2.4	SPECIAL	
			
16.3	ANSI (American National Standards Institute):		
	16.3.1	Hazardous Industrial Chemicals - Safety Data Sheets-Preparation:	Complies with ANSI Z400.1 – 2004.
	16.3.2	Hazardous Industrial Chemicals - Precautionary Labeling:	Complies with ANSI Z129.1 – 2006.

Note: The information contained herein, while not guaranteed, was prepared by competent technical personnel and is true and accurate to the best of our knowledge and belief. NO WARRANTY OR GUARANTEE, express or implied, is made regarding the product performance, product stability, or as to any other condition of use, handling, transportation, and storage. Customer use, handling, transportation, and storage may involve additional safety and/or performance considerations. Our technical personnel will be happy to respond to questions regarding safe handling, storage, transportation, and use procedures. The safe handling, storage, transportation, and use procedures remain the sole responsibility of the customer. No suggestions for handling, storage, transportation, or use are intended as or to be construed as recommendations which may infringe on any existing patents or violate any Federal, State, and/or local law and/or regulation, ordinance, standard, etc. This Safety Data Sheet has been prepared by HASA, Inc. staff from test reports and other information available in the public domain.