



HASA ECO-SAFE POOL ENZYME

Safety Data Sheet

Emergency 24 Hour Telephone: **CHEMTREC 800.424.9300**

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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. 23119 Drayton Street Saugus, California 91350
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: EMERGENCY OVERVIEW and HAZARD IDENTIFICATION

2.1	Emergency Overview:	Moderately irritating to the eyes. Mild skin irritation.
2.2	Potential Health Effects:	
2.2.1	Eyes:	May cause irritation unless immediately rinsed.
2.2.2	Skin:	May cause irritation upon prolonged contact.
2.2.3	Inhalation:	Unknown.
2.2.4	Ingestion:	May cause irritation to the mouth and throat. May cause nausea.

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	Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.
4.2	IF ON SKIN OR CLOTHING	Flush skin with large amounts of water. Remove any contaminated clothing and wash before reuse. Seek medical attention if irritation occurs.
4.3	IF INHALED	If symptoms are experienced, remove source of contamination and/or move victim to fresh air. If breathing is difficult, have trained personnel administer oxygen. If respiration stops, have trained personnel administer artificial respiration. Get medical attention immediately.
4.4	IF SWALLOWED	Give large amounts of water. Do not induce vomiting. If spontaneous vomiting is inevitable, prevent aspiration by keeping victim's head below the knees. Get immediate medical attention.

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	Physical State and Appearance:	Concentrated, biodegradable water treatment solution. Translucent amber liquid.
9.2	Odor:	Mild characteristic.
9.3	Molecular Weight:	Proprietary formulation.
9.4	Boiling Point:	> 212° F (100° C)
9.5	Freezing Point:	< 32 ° F (0° C)
9.6	Solubility in Water:	Complete
9.7	pH:	3.8 – 4.2 @ 77° F (25° C)
9.8	Specific Gravity:	~1.01 – 1.03 @ 77° F (25° C)
9.9	Density:	8.4 – 8.5 lbs. /gallon
9.10	Vapor Density:	Same as water.
9.11	Vapor Pressure:	<0.01 mm Hg @ 68° F (20° C)
9.12	Evaporation Rate (N-butyl acetate =1):	<0.01.
9.13	Flash point:	None.
9.14	Volatile Organic Compound (VOC):	Negligible.

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 CFR § 1910.1200)
	15.1.2	OSHA PSM (Process Safety Management)	Not regulated under PSM Standard (29 CFR § 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 CFR § 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.	
16.4	GHS (Globally Harmonized System):		
16.4.1	GHS Classification:	Lack of information from supplier.	
16.4.2	GHS Symbol:	Lack of information from supplier.	
16.4.3	GHS Signal Word:	Lack of information from supplier.	
16.4.4	GHS Hazard Statement:	Lack of information from supplier.	

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. according to Hazard Communication Guidelines for Compliance (OSHA 3111) published by U.S. Department of Labor, Occupational Safety and Health Administration and Hasa, Inc. can rely on the information received from its suppliers and Hasa Inc. has no independent duty to analyze the chemical or evaluate the hazards of it.