



MATERIAL SAFETY DATA SHEET

I. PRODUCT AND COMPANY INFORMATION

TRADE NAME: Purezyme
CHEMICAL FAMILY: Enzyme Booster

HCS (Division of Washing Systems, LLC)
5579 Spellmire Dr.
Cincinnati, OH 45246
513-870-4830
EMERGENCY CONTACT: CHEMTREC (800-424-9300)

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II. HAZARDOUS INGREDIENTS

The materials listed in this data sheet are classified as **HAZARDOUS** in accordance with the definition set forth by the Occupational Safety and Health Administration in 29 CFR 1910.1200.

<u>CHEMICAL NAME</u>	<u>COMMON NAME</u>	<u>EXPOSURE LIMIT</u>
Sodium Carbonate Peroxyhydrate	Sodium Percarbonate	UNK
Silicic Acid, Disodium salt	Sodium Metasilicate	UNK

III. PHYSICAL/CHEMICAL CHARACTERISTICS

<u>APPEARANCE & ODOR</u>	<u>VAPOR DENSITY (AIR=1)</u>	<u>BOILING POINT</u>	<u>SOLUBILITY IN WATER</u>
White Powder, No Odor	N/A	N/A	Soluble (>1%)
<u>SPECIFIC GRAVITY</u>	<u>EVAPORATIONRATE (N-Butyl Acetate=1)</u>	<u>VAPOR PRESSURE (mmHg)</u>	<u>MELTING POINT</u>
1.20	N/A	N/A	N/A

IV. FIRE AND EXPLOSION DATA

<u>FLASHPOINT</u>	<u>FLAMMABLE LIMITS</u>	<u>AUTO IGNITION TEMP</u>
N/A	(lower limit) (upper limit) N/A N/A	N/A

EXTINGUISHING AGENTS: CO₂, Dry Chemicals, Water, Dry Foam.

SPECIAL FIRE FIGHTING PROCEDURES: None.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Oxygen evolution as a result of decomposition may burst sealed containers and accelerate the burning rates of other combustible materials. Damp material in contact with paper, wood, cloth, etc. may cause spontaneous combustion of the organic material.

V. REACTIVITY DATA

<u>STABILITY</u>	<u>HAZARDOUS DECOMPOSITION PRODUCTS</u>	<u>MATERIALS TO AVOID</u>	<u>HAZARDOUS POLYMERIZATION</u>
Stable in a dry state	Decomposition liberates oxygen and generates heat. Decomposition in the presence of organic materials is rapid and exothermic.	Organic materials, heavy metals, oils and greases. Contamination with acids, reducing agents, and metallic ions may cause catalytic decomposition.	Will not occur.

VI. HEALTH HAZARD DATA

SKIN:	<u>ACUTE</u>	May cause irritation.
	<u>CHRONIC</u>	None known.
EYES:	<u>ACUTE</u>	Causes severe irritation.
	<u>CHRONIC</u>	Can cause permanent eye damage.
INHALATION:	<u>ACUTE</u>	May cause irritation to the mucous membranes and respiratory system.
	<u>CHRONIC</u>	None known.
INGESTION:	<u>ACUTE</u>	May cause burns of the mouth, throat, esophagus, and stomach.
	<u>CHRONIC</u>	None known.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

None are known.

CARCINOGENICITY

OSHA: NO

IARC MONOGRAPHS: NO

NTP: NO

EMERGENCY AND FIRST AID PROCEDURES

<u>SKIN:</u>	Immediately flush area with plenty of cool water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician.
<u>EYES:</u>	Immediately flush thoroughly with cool water under low pressure for at least 15 minutes, holding lids apart and moving eye to ensure flushing of the entire surface. Call a physician.
<u>INHALATION:</u>	Remove from contaminated atmosphere. For throat irritation, drink two glasses of water and call a physician.
<u>INGESTION:</u>	Never give anything by mouth to an unconscious person. DO NOT INDUCE VOMITING. If conscious, give large quantities of water. If vomiting occurs spontaneously, keep airway clear. Call a physician immediately.

VII. SPILL OR LEAK PROCEDURES

Sweep up spilled material and dispose of in a manner approved by local, state, and federal regulations. Flush spill area with water. Contains no phosphates.

SPECIAL PRECAUTIONS

Store in a dry, well-ventilated area away from organics and acids.

VIII. CONTROL MEASURES

<u>RESPIRATORY PROTECTION</u>	<u>EYE PROTECTION</u>	<u>PROTECTIVE GLOVES</u>	<u>OTHER PROTECTIVE EQUIPMENT</u>
None	Safety Goggles	Rubber	None
	<u>VENTILATION:</u> <u>Mechanical</u>	<u>Local</u>	<u>Special</u>
	Normal Air Dilution	None	None

N/A = Not Applicable

UNK = Unknown at This Time

PUREZYME