



SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: PROZYM-Z	
Chemical Family and Product Description: Mixture. A concentrated, non-bacterial, readily biodegradable enzymatic cleaner, degreaser, deodorizer and waste digester.	
Distributors Name Synergy Americas, Inc	
Street Address PO. Box 34 127 Stream Road	
City Winterport	State Maine
Zip Code 04496	Emergency Telephone 207.944.3495
Date MSDS Prepared 8/21/2025	

SECTION 2 — HAZARDS IDENTIFICATION

Emergency Overview Ingestion may cause nausea and/or mouth and throat irritation. Mild skin contact irritation. May cause eye irritation unless rinsed with clean water immediately.

SECTION 3 — COMPOSITION / INFORMATION ON INGREDIENTS

PROZYM-Z is a proprietary composition "not considered hazardous" under the OSHA Hazard Communication Standard CFR Title 29 1910.1200.

SECTION 4 — FIRST AID MEASURES

Skin Contact:: Flush skin with large amounts of clean water. Remove any contaminated clothing and clean before reuse.

Eye Contact: Immediately flush eyes for several minutes with clean water. Seek medical attention if irritation persists.

Inhalation: If respiratory irritation is experienced, remove contamination source and/or move victim to fresh air. Seek medical attention if breathing becomes labored or irritation persists.

Ingestion: Give large amounts of water. Do not induce vomiting. If vomiting occurs, prevent aspiration by keeping victims head below the knees and get immediate medical attention.



SECTION 5 — FIRE FIGHTING MEASURES

Flammable Yes No X	
Means of Extinction: Water fog or fine spray, carbon dioxide, dry chemical or foam.	
Flashpoint None	Firefighting protection: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH approved or equivalent and full protective gear.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures: Isolate area. Keep unnecessary personnel away. Keep out of low areas. Ventilate closed spaces before entering. Prevent further leakage. Prevent entry into waterways, sewers or confined areas. Clean up while wearing protective clothing. Soak up large spills with non-combustible material like sand or soil and place into a disposal container. Dispose of in accordance with local, state and federal regulations.

SECTION 7 — HANDLING AND STORAGE

Handling Procedures and Equipment: Avoid contact of concentrate with skin and eyes. Wash hands after handling.

Storage Requirements: Store this product below 110 degrees F, preferably below 75 degrees F, in a cool, dry, well-ventilated area away from toxic chemicals and direct sunlight. For best results use product within 12 months.

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Personal Protective Equipment: Eye wash station recommended. Wear protective eyewear. Wear suitable clothing.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State Translucent amber liquid.	VOC Negligible	Odor Mild
Specific Gravity ~1.04 – 1.05 @ 77° F (25° C)	Vapor Density (air = 1) Same as water	Vapor Pressure (mmHg) < 0.01 @ 68° F (20° C)
Evaporation Rate < 0.01 *N-butyl acetate =1	Boiling Point (° F) > 212° F (100° C)	Freezing Point (° F) < 32° F (0° C)
pH 3.8 – 4.2 @ 77° F (25° C)	Weight 8.7 – 8.8 lbs. / gallon	Solubility in Water Complete

SECTION 10 — STABILITY AND REACTIVITY

Chemical Stability
Stable under normal conditions.

Incompatibility with Other Substances
Strong oxidizing agents, alkalis.

SECTION 11 — TOXICOLOGICAL INFORMATION

Toxicology Data: 48 hr. LC50	D. pulex (daphnia)	12.00 mg/l
96 hr. LC50	P. promelas (fathead minnow)	20.00 mg/l



SECTION 12 — ECOLOGICAL INFORMATION

Eco toxicity: Readily biodegradable.

SECTION 13 — DISPOSAL CONSIDERATIONS

Disposal instructions: Dispose in accordance with all applicable regulations, including local, state and federal laws.

SECTION 14 — TRANSPORT INFORMATION

General information: Non-hazardous
US DOT – Proper Shipping Description: NMFC 48580.3 Cleaning/Scouring/Wash Comp Class 55

SECTION 15 — REGULATORY INFORMATION

TSCA Inventory Status: This product and/or all of its components are either included on or exempt from the TSCA Inventory of Chemical Substances.
DSL (Canada): This product and/or all of its components are either included on or exempt from the Domestic Substances List.

SECTION 16 — OTHER INFORMATION

HMIS ratings: Health – 1 Flammability – 0 Physical hazard – 0 NFPA
ratings: Health – 1 Flammability – 0 Reactivity – 0
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