



MATERIAL SAFETY DATA SHEET

ClearOdor™ Cleaner & Deodorizer

ENZYMES, INC. T: (847) 487-5401
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Wauconda, IL 60084 USA <http://enzymes-inc.com>

Enzymes Incorporated urges each customer or recipient of this MSDS to study it carefully to become aware of and understand the hazards associated with the product. The reader should consider consulting reference works or individuals that are experts in ventilation, toxicology, and fire prevention, as necessary or appropriate to use and understand this MSDS.

To promote safe handling, each customer or recipient should: (1) notify its employees, agents, contractors and others whom it knows or believes will use this material or the information in this MSDS and any other information regarding hazards or safety; (2) furnish this same information to each of its customers for the product; and (3) request its customers to notify their employees, customers, and other users of the product of this information.

SECTION 1 - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Trade Name:	ClearOdor™ Cleaner & Deodorizer
Revision Date:	May 2008
CAS Name:	Bacterial Enzymatic Liquid
Product Description:	Liquid cleaner & deodorizer containing non-pathogenic bacteria and enzymes.
Manufacturer's Name:	Enzymes Incorporated (EI)
Address:	1099 Brown Street #102 Wauconda, IL 60084-3106 USA
Phone:	(847) 487-5401

SECTION 2 - COMPOSITION & INFORMATION ON INGREDIENTS

NAME	CAS#	WT.	% TLV
ClearOdor™ is a proprietary composition NOT CONSIDERED HAZARDOUS under OSHA Hazard Communication Standard CFR Title 29 1910.1200			

SECTION 3 - PHYSICAL & CHEMICAL PROPERTIES

Vapor Pressure:	As Water	Boiling Point:	> 212°F (100°C)
Vapor Density (air = 1):	0.62	Flash Point:	> 212°F (100°C)
Specific Gravity:	1.06 – 1.07 @ 68°F	Freezing Point:	< 32°F (0°C)
Solubility in Water:	Completely miscible	Evaporation Rate:	As Water
Volatile Organic Content:	None	Pour point:	N/A
Appearance:	Amber to dark brown liquid	Weight:	8.83 – 8.88 lb./ gallon
pH:	7.2 - 7.8	Odor:	Mild floral

SECTION 4 - FIRE FIGHTING MEASURES

Flash point:	> 212°F (100° C)	Explosion Characteristics:	N/A
Method Used:	Open Cup	Flammable Properties:	Non-Flammable
Flammable Limits:	Does Not Apply	NFPA Rating:	Health = 1
Suitable Fire Extinguishing Media:	Water, Foam or Halon		Flammability = 0
Hazardous Combustion Products:	None known		Reactivity = 0

SECTION 5 - STABILITY & REACTIVITY

Stability:	Stable
Hazardous Polymerization:	Hazardous polymerization will not occur.
Materials to Avoid:	Any contact with strong oxidizing and reducing agents.
Conditions to Avoid:	See Section 11.
Hazardous Decomposition Products:	None

SECTION 6 - HAZARDS IDENTIFICATION & FIRST AID MEASURES

HMIS HAZARD RATINGS

HEALTH – 1 FIRE – 0 REACTIVITY – 0 PERSONAL PROTECTION – 0

Routes of Entry:

Product may enter the body via eye and skin contact, inhalation and ingestion.

Eye:

POTENTIAL HEALTH EFFECTS:

Eye contact with product may cause irritation. Avoid eye contact.

Skin:

Skin contact with product may cause irritation. Avoid skin contact.

Inhalation:

May cause sensitization by inhalation in hypersensitive individuals. Avoid aerosol generation.

Ingestion:

Swallowing product may cause irritation of mouth and throat. It may also cause nausea. Do not taste or swallow product.

FIRST AID MEASURES

Eye Contact:

Check for and remove contact lenses. Flush eyes with low pressure water for at least 15 minutes while holding eyelids open. Do not rub eyelids. If irritation develops seek medical attention.

Skin Contact:

Immediately remove contaminated clothing and wash before reuse. For skin contact wash skin with soap and water.

Ingestion:

Ingestion of material is not known to result in significant adverse health affects. If swallowed rinse mouth and throat out with water and then drink 16 ounces of water.

Inhalation:

If inhaled remove from contaminated area to fresh air. Report situation. Seek medical attention if allergic response is exhibited.

SECTION 7 - ACCIDENTAL RELEASE MEASURES

Large or Small Spills:

Dike and absorb spills with inert materials. Transfer to sealable containers for disposal. Do not use high pressure air or water to clean up. Minimize aerosolization during clean up. Ensure sufficient ventilation. Wash contaminated clothing. Dispose of in accordance with all federal and local regulations.

SECTION 8 - TOXICOLOGICAL INFORMATION

Toxicity:

Inhalation of aerosol may cause respiratory allergy in susceptible individuals. Don't form aerosol.

Pathogenicity:

Component bacteria and enzymes are non-pathogenic and generally regarded as safe.

Carcinogenicity:

Not classified as a carcinogen by IARC, OSHA, or NTP.

SECTION 9 - ECOLOGICAL INFORMATION

This product is non-toxic and believed not to be dangerous to the environment with respect to mobility, persistency and degradability, bioaccumulative potential, aquatic toxicity and other data relating to ecotoxicity.

SECTION 10 - EXPOSURE CONTROLS & PERSONAL PROTECTION

Personal Protection:

Level 1

Gloves:

Impermeable gloves recommended when handling this product.

Safety Glasses:

Wear safety glasses or goggles when handling this product.

SECTION 11 - STORAGE & HANDLING

Storage Conditions:

Store this product below 85°F (29°C) in a cool, dry, well ventilated area away from heat, sparks, flame, oxidizers, and out of direct sunlight. Do not allow product to freeze. For best results, use product within 12 months. Never mix with other products as they may degrade / inactivate the product. Ideal storage temperature is 45-50°F.

Handling Precautions:

Any person who experiences any allergic or sensitive reactions to this liquid should refrain from handling it again. Always keep containers closed and out of reach of children or pets.

SECTION 12 - OTHER INFORMATION

Disclaimer: The information contained herein is based upon data available to us and reflects our best professional judgment. However, no warranty is expressed or implied regarding the accuracy of such information or the results obtained from the use thereof. EI assumes no legal responsibility whatsoever for any damage resulting from reliance upon this information since it is being furnished upon the condition that the person receiving it shall make his or her own determination of the suitability of the material described herein for a particular application or storage situation.