



S E R V I C E

MATERIAL SAFETY DATA SHEET

FILE NO.: ENZ01 rev.B

THE ENZYME FACTOR™ No Rinse Floor Cleaner MSDS DATE: 3/06/2008

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: *The Enzyme Factor™* No Rinse Floor Cleaner

SYNONYMS:

PRODUCT CODES: 00 913070-00001

DISTRIBUTED BY: HOBART SERVICE, INC.

DIVISION:

ADDRESS: 8515 Industry Park Drive, Piqua, Ohio, 45356

EMERGENCY PHONE: 1-800-979-3834

CHEMTREC PHONE:

OTHER CALLS: 1-937-332-3000

FAX PHONE: 1-937-332-2376

PRODUCT USE: Floor Cleaning

PREPARED BY: Manufacturer

SECTION 1 NOTES: Concentrated Formula – One (1) Ounce per Gallon

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT:

Proprietary Enzyme Formula

Surfactants

Natural Orange Scent

SECTION 2 NOTES:

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

ROUTES OF ENTRY: Inhalation, Ingestion, Eyes,

POTENTIAL HEALTH EFFECTS

EYES: May cause Eye Irritation

SKIN: May cause Mild Irritation

INGESTION: May cause Intestinal Discomfort

INHALATION: May cause Sensitization by Inhalation

ACUTE HEALTH HAZARDS: None

CHRONIC HEALTH HAZARDS: None

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None

CARCINOGENICITY

OSHA: No

ACGIH: No

NTP: No

IARC: No

OTHER:

SECTION 3 NOTES:



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SECTION 4: FIRST AID MEASURES

EYES: Flush with cool water for 15 minutes. If irritation persists, call a physician

SKIN: Rinse with cool water. If redness or discomfort persists, call a physician

INGESTION: Drink cool water and call a physician. Do NOT induce vomiting

INHALATION: Remove to fresh air. Call a Physician

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

SECTION 4 NOTES:

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER:
(% BY VOLUME) **LOWER:**

FLASH POINT: N/A – Product does not support combustion

AUTOIGNITION TEMPERATURE: N/A – Product does not support combustion

NFPA / HMIS HAZARD CLASSIFICATION

HEALTH:	0
FLAMMABILITY:	0
REACTIVITY:	0
PROTECTION:	A

EXTINGUISHING MEDIA: Use an extinguishing media suitable for surrounding fires

SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

HAZARDOUS DECOMPOSITION PRODUCTS: None

SECTION 5 NOTES:

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Ventilate area of spill. Rinse spill down drain with enough water to dilute solution as directed. If no drain is available, wipe spill with disposable material. Use impervious gloves if cleanup is a prolonged process. Dispose of outside of building immediately.

SECTION 6 NOTES:



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SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Avoid contact with eyes.
Store at room temperature in well ventilated area.
Do not store near food.
Do not mix with other chemicals.

OTHER PRECAUTIONS: None needed under normal use

SECTION 7 NOTES:

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: None Needed

VENTILATION: None needed

RESPIRATORY PROTECTION: None Needed

EYE PROTECTION: As with all cleaning products protective eye wear is recommended to prevent accidental entry into the eyes

SKIN PROTECTION: None needed

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None Needed

WORK HYGIENIC PRACTICES: None

EXPOSURE GUIDELINES: None

SECTION 8 NOTES:

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear Green Liquid

ODOR: Citrus / Orange

PHYSICAL STATE: Liquid

pH AS SUPPLIED: 6 - 7

pH (Other):

BOILING POINT:

C: 100 degrees

FREEZING POINT:

C: 0 degrees

VAPOR DENSITY (AIR = 1): >1

SPECIFIC GRAVITY (H₂O = 1): 1.015 @ C: 20

EVAPORATION RATE: >1

BASIS (=1):

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (cont.)



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SOLUBILITY IN WATER: Complete

PERCENT SOLIDS BY WEIGHT:

PERCENT VOLATILE:
BY WT/ BY VOL @
F:
C:

VOLATILE ORGANIC COMPOUNDS (VOC):

WITH WATER: LBS/GAL
WITHOUT WATER: LBS/GAL

MOLECULAR WEIGHT:

VISCOSITY: 9 cPs
@
F: 70 degrees
C:

SECTION 9 NOTES:

SECTION 10: STABILITY AND REACTIVITY

STABLE

UNSTABLE

STABILITY: XXX

CONDITIONS TO AVOID (STABILITY): None

INCOMPATIBILITY (MATERIAL TO AVOID): Do not mix with other chemicals

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: None

HAZARDOUS POLYMERIZATION: Will not occur

SECTION 10 NOTES:

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

SECTION 11 NOTES:

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: See Section 15

SECTION 12 NOTES:

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dilute solution as directed and dispose in regular drain lines



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RCRA HAZARD CLASS:

SECTION 13 NOTES:

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: pH Neutral Detergent
HAZARD CLASS: Non-Hazardous
ID NUMBER:
PACKING GROUP:
LABEL STATEMENT:

WATER TRANSPORTATION

PROPER SHIPPING NAME: pH Neutral Detergent
HAZARD CLASS: Non-Hazardous
ID NUMBER:
PACKING GROUP:
LABEL STATEMENTS:

AIR TRANSPORTATION

PROPER SHIPPING NAME: pH Neutral Detergent
HAZARD CLASS: Non-Hazardous
ID NUMBER:
PACKING GROUP:
LABEL STATEMENTS:

OTHER AGENCIES:

SECTION 14 NOTES:

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT):

All components of this product are on the TSCA inventory or are exempt under 40 CFR 720.30

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):

Chemical Name	CAS#	Amount
1,3 Dichloromethane	542-75-6	.000005
Dichloromethane	75-09-2	.000006

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

311/312 HAZARD CATEGORIES:	
Immediate (Acute) Health Hazard:	Yes
Delayed (Chronic) Health Hazard:	Yes
Fire Hazard	No
Reactive Hazard	No
Sudden Release of Pressure Hazard	No

313 REPORTABLE INGREDIENTS: None

United States-STATE REGULATIONS:

CALIFORNIA

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Prop 65)



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Cancer

<u>Chemical Name</u>	<u>CAS #</u>	<u>Amount</u>
Acetaldehyde	75-07-0	.0000025
1,4 Dioxane	123-91-1	.0000002
Formaldehyde	50-00-0	.0000015
Ethylene Oxide	75-21-8	.0000004
Dichloromethane	75-09-2	.0000006

Reproduction

<u>Chemical Name</u>	<u>CAS #</u>	<u>Amount</u>
Ethylene Oxide	75-21-8	.0000004
Ethylene Glycol Monoethyl Ether	107-21-1	.00002

PENNSYLVANIA

Pennsylvania-Worker &Community Right to Know Act (35 P.S. Sec. 7301-7320)

Environmental Hazards – Sec. 323.3

<u>Chemical Name</u>	<u>CAS #</u>	<u>Amount</u>
Sodium Hydroxide	1301-73-2	.0004

MASSACHUSETTS

Massachusetts General Laws, Chapter 111F (Massachusetts Right to Know Law – 1984)

None

INTERNATIONAL REGULATIONS: None

SECTION 15 NOTES:

SECTION 16: OTHER INFORMATION

OTHER INFORMATION:

PREPARATION INFORMATION:

DISCLAIMER: