

MATERIAL SAFETY DATA SHEET

Complies with OSHA's Hazard Communication Standard (29 CFR 1910.1200)

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| PRODUCT INFORMATION: 1-800-255-0262 (M-F, 8am – 5pm CST) | | ITEM NO: 12040 |
| PRODUCT NAME: <i>(as appears on label):</i> | 3E-ZYME | DESCRIPTION: An enzymatic cleaner |
| MANUFACTURER INFORMATION: | Central Solutions, Inc. 401 Funston, Kansas City, KS 66115 Telephone: 913-621-6542 | DATE PREPARED: 02/23/04 PREPARED BY: Terry Hall / Technical Director |
| HMIS RATING (concentrate) | HEALTH: 1 REACTIVITY: 0 FLAMMABILITY: 0 PERSONAL: B | |
| HMIS RATING (diluted 1:128) | HEALTH: 1 REACTIVITY: 0 FLAMMABILITY: 0 PERSONAL: B | |
| HAZARD RATING: | 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Extreme A = Safety Glasses B = Safety Glasses & Gloves | |

SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

| HAZARDOUS COMPONENTS (Specific Chemical Identity: Common Names) | CAS #'s | OSHA PEL | ACHIH TLV | Other Limits Recommended | % (Optional) |
|---|---------|----------|-----------|--------------------------|--------------|
| Isopropanol | 67-63-0 | 400 ppm | 400 ppm | N/E | 5 to 15 % |
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| N/A = Not Applicable N/E = Not Established N/D = Not Determined N/L = Not Listed | | | | | |

SECTION 3 – HAZARDS IDENTIFICATION (Potential Health Effects)

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| POSSIBLE ROUTES OF ENTRY INTO THE BODY: | Eyes, Ingestion |
| HEALTH HAZARDS: | Can be harmful if swallowed. |
| SIGNS & SYMPTOMS OF EXPOSURE: | EYES: possible mild irritation. SWALLOWED: Possible gastrointestinal irritation or disturbance. |
| MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: | None known |
| CARCINOGENICITY: | NO ingredients listed as carcinogens by the NTP (National Toxicology Program) or the IARC (International Agency for Research on Cancer) or OSHA. |

SECTION 4 – FIRST AID MEASURES

EYES: Flush with clear water. SWALLOWED: If patient is conscious and alert, give milk or water to drink. Do not induce vomiting. Seek medical attention when necessary. *Always get medical attention when product is swallowed or when signs and/or symptoms of significant or persist.*

SECTION 5 – FIREFIGHTING MEASURES

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| FLASH POINT (method used): | N/A (water based liquid) | FLAMMABLE LIMITS: | LEL: N/A UEL: N/A |
| EXTINGUISHING MEDIA: | As appropriate or the surrounding fire. | | |
| SPECIAL FIREFIGHTING TACTICS: | As appropriate or the surrounding fire. | | |
| UNUSUAL FIRE & EXPLOSIVE HAZARDS: | None | | |

SECTION 6 – ACCIDENTAL RELEASE MEASURES

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| SMALL SPILLS: | Small spills (< 1 gallon) may be washed down a drain or cleaned up and disposed of into a sanitary sewer system. |
| LARGE SPILLS: | Large spills (> 1 gallon) should be contained and collected (by absorption or vacuuming) then disposed of properly. |

SECTION 7 – HANDLING AND STORAGE

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| HANDLING: | Do not contaminate water, food, or feed. Do not reuse empty containers. Do not mix with other chemicals. Keep containers clean & closed. |
| STORAGE: | Store in dry place not below 0°C or above 30°C and out of direct sunlight. KEEP OUT OF REACH OF CHILDREN |

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

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| ENGINEERING CONTROLS: | Mechanical Ventilations (General): Normally sufficient Local Exhaust: Not Normally Needed |
| RESPIRATORY PROTECTION: | Not needed. General ventilation is normally adequate. |
| SKIN PROTECTION: | Wear gloves when using product. |
| EYE PROTECTION: | Wear safety glasses when using product. |
| WORK/HYGIENE PRACTICES | Do not get into eyes, on skin, or clothing. Protect food & drink from contamination by product. |

SECTION 9 – PHYSICAL / CHEMICAL PROPERTIES

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| APPEARANCE & ODOR: | Light Blue liquid with mild odor | | | | |
| BOILING POINT: | 212° F | Specific Gravity @ 25° C | 1.00 | pH (concentrate): | 7.5 to 8.5 |
| VAPOR PRESSURE: | N/E | MELTING POINT: | N/E | pH (diluted 1:64): | 7.0 to 8.0 |
| VAPOR DENSITY: | N/E | SOLUBILITY IN WATER: | Complete | EVAPORATION RATE (Butyl Acetate = 1): | N/E |

SECTION 10 – STABILITY & REACTIVITY

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| STABILITY: | Stable |
| HAZARDOUS POLYMERIZATION: | Will Not Occur |
| INCOMPATIBILITY (materials to avoid) | None known |
| HAZARDOUS DECOMPOSITION OR BY-PRODUCTS | None known |

SECTION 11 – DISPOSAL CONSIDERATIONS

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| WASTE DISPOSAL METHOD: | This product is not considered a RCRA Hazardous Waste as identified in Federal Regulations 40 CFR 261. Dispose of product by using in accordance with label directions or in compliance with local, state, and federal laws and regulations (contact local or state environmental agency for specific rules). |
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The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, expressed or implied, is given. It is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.