

MATERIAL SAFETY DATA SHEET(29 CFR 1910.1200) Complies with OSHA's Hazard Communication Standard

INFORMATION TELEPHONE NUMBER: 800-255-0262 (M-F 8AM to 5PM, CST)

RERERENCE: RDZ-85B

PRODUCT NAME:
(as it appears on label):**Multi-Enzymatic Cleanser**

DESCRIPTION: A surfactant and multi-enzyme formulation for instrument cleaning.

REORDER NUMBER: 4x1 Gallon: ZUTR12071

MANUFACTURED BY: Central Solutions, Inc. 401 Funston Rd., Kansas City, KS 66115

MARKETED BY: **Zutron Medical**
1911 Broadway
Kansas City, MO 64108Date Prepared: 05-04-2005
Prepared By: Gary Helton, Environmental Health Specialist
Reviewed By: Terry Hall, Technical Director

HMIS RATING (concentrate) HEALTH: 0 REACTIVITY: 0 FLAMMABILITY: 0 PERSONAL: 0

HAZARD RATING: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Extreme A = Safety Glasses B = Safety Glasses & Gloves

SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTSHAZARDOUS COMPONENTS
(Specific Chemical Identity: Common Names)

CAS #'s

OSHA PEL

ACIH TLV

Other Limits Recommended

% (Optional)

No Hazardous Ingredients Present

Contains NO reportable hazardous ingredients as defined by OSHA's Hazard Communication Standard.

Contains NO hazardous ingredients subject to reporting requirements of Section 313 of SARA Title II (Emergency Planning and Community Right-to-Know Act)

N/A = Not Applicable N/E = Not Established N/D = Not Determined N/L = Not Listed

SECTION 3 – HAZARDS IDENTIFICATION (Potential Health Effects)

POSSIBLE ROUTES OF ENTRY INTO THE BODY: Eyes, Ingestion, Skin

HEALTH HAZARDS: May cause mild eye and skin irritation with prolonged exposure to the concentrate. May be harmful if swallowed.

SIGNS & SYMPTOMS OF EXPOSURE: EYES: Possible watering, burning and redness. SKIN: Possible mild irritation with prolonged exposure to concentrate. 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 MEASURESEYES: Flush with clear water for 15 minutes. SWALLOWED: If patient is conscious and alert, dilute by drinking large quantities of water. Allow vomiting to occur then get medical attention. *Always get medical attention when product is swallowed or when signs and/or symptoms of significant or persist.***SECTION 5 – FIREFIGHTING MEASURES**

FLASH POINT (method used): N/A (water based liquid) FLAMMABLE LIMITS: LEL: N/A UEL: N/A

EXTINGUISHING MEDIA: As appropriate for the surrounding fire.

SPECIAL FIREFIGHTING TACTICS: As appropriate for the surrounding fire.

UNUSUAL FIRE & EXPLOSIVE HAZARDS: None

SECTION 6 – ACCIDENTAL RELEASE MEASURES

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

HANDLING: Do not contaminate water, food, or feed. Do not reuse empty containers. Keep containers clean & closed.

STORAGE: KEEP OUT OF REACH OF CHILDREN

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Mechanical Ventilations (General): Normally sufficient Local Exhaust: Not Normally Needed

RESPIRATORY PROTECTION: Not needed. General ventilation is normally adequate.

SKIN PROTECTION: Not normally needed, avoid prolonged contact with skin, wear gloves if unavoidable

EYE PROTECTION: Not normally needed, avoid contact with eyes while using, wear eye protection if application might allow getting product into eyes

WORK/HYGIENE PRACTICES Do not get into eyes. May be harmful if swallowed. Protect food & drink from contamination by product.

SECTION 9 – PHYSICAL / CHEMICAL PROPERTIES

APPEARANCE & ODOR: A clear straw (light yellow) liquid with a Pleasant odor.

BOILING POINT: 212° F Specific Gravity@ 25° C: 1.00 - 1.04 pH (concentrate): 8.00 to 9.00

VAPOR PRESSURE: N/E MELTING POINT: N/E pH (diluted as per label): N/D

VAPOR DENSITY: N/E SOLUBILITY IN WATER: Complete EVAPORATION RATE (Butyl Acetate = 1): N/E

SECTION 10 – STABILITY & REACTIVITY

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

INCOMPATIBILITY (materials to avoid) None known

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS None known

SECTION 11 – DISPOSAL CONSIDERATIONS

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).

SECTION 12 – TRANSPORTATION INFORMATION

PROPER SHIPPING NAME: Cleaning Compound, NOI, NMFC, 48580, Class 55

DOT HAZARD CLASS: Not Hazardous

DOT SHIPPING ID NUMBER: N/A

DOT LABELING: N/A

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.