

MATERIAL SAFETY DATA SHEET

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

INFORMATION TELEPHONE NUMBER: 913-621-6542 (M-F 8 AM to 5 PM, CST) REFERENCE: RD7-88B ITEM NO. CSI12181

PRODUCT NAME: CSI Multi-Enzymatic Cleaner

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

MANUFACTURER'S INFORMATION	DATE PREPARED:	January 15, 2009	SIGNATURES (Optional)
Central Solutions, Inc. 401 Funston Rd., P.O. Box 15276 Kansas City, KS 66115	PREPARED By: Richard Kueser		
	REVIEWED By: Sean Smith, Technical Director		

HMIS RATING: **Concentrate** HEALTH: 0 REACTIVITY: 0 FLAMMABILITY: 0 PERSONAL: 0
HAZARD RATINGS: 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)	CAS #	OSHA PEL	ACGIH TLV	Other Limits	% (Optional)
Isopropanol	67-63-0	400 ppm	400 ppm	N/E	4 to 6 %

‡ Germicidal Actives *SARA Title III Section 313 Reportable 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 • Skin • Ingestion
HEALTH HAZARDS: May cause mild eye and skin irritation with prolonged exposure. May be harmful if swallowed.
SIGNS AND SYMPTOMS OF EXPOSURE: **If in eyes:** Possible mild burning sensation, watering, or redness with exposure.
If on skin: Possible mild irritation with prolonged exposure to concentrate. **If 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 regulated by OSHA.

SECTION 4 - FIRST AID MEASURES

If in eyes or on skin: Flush with water for 15 minutes. **If swallowed:** If patient is conscious and alert, dilute by drinking large quantities of water. Allow vomiting to occur if patient is conscious and alert, then get medical attention. Always get medical attention when product is swallowed or when symptoms are significant or persist.

SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT: N/A Non-flammable water based liquid. (METHOD USED): N/A Flammable Limits: LEL: N/A UEL: N/A
EXTINGUISHING MEDIA: As appropriate for the surrounding fire. SPECIAL FIRE FIGHTING PROCEDURES: As appropriate for the surrounding fire.
UNUSUAL FIRE AND EXPLOSION HAZARDS: None

SECTION 6 - ACCIDENTAL RELEASE MEASURES

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

SECTION 7 - HANDLING & STORAGE

HANDLING: Do not contaminate water, food, or feed. Do not reuse empty containers. Keep containers clean and closed.
STORAGE: KEEP OUT OF REACH OF CHILDREN.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Mechanical Ventilation (General): Normally Sufficient Local Exhaust: Not Normally Needed
RESPIRATORY PROTECTION: Not needed. General ventilation is normally adequate.
SKIN PROTECTION: AVOID prolonged contact with skin.
EYE PROTECTION: AVOID, contact with eyes while using, wear eye protection is application might allow getting product into eyes.
WORK/HYGIENE PRACTICES: Do not get into eyes or on clothing. May be harmful if swallowed. Protect food and drink from contamination by product.

SECTION 9 - PHYSICAL / CHEMICAL PROPERTIES

Appearance and Odor: A clear straw colored liquid with a mild citrus odor
Boiling Point: 212° F Specific Gravity: @25°C 1.0 – 1.04 pH (Concentrate): 8.0 – 9.0
Vapor Pressure: N.E. Solubility In Water: Complete
Vapor Density: N.E. Melting Point: N/A Evaporation Rate: N.E.

SECTION 10 - STABILITY & REACTIVITY

STABILITY: Stable HAZARDOUS POLYMERIZATION: Will Not Occur
INCOMPATIBILITY (Materials or Conditions 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 I.D. NO.: N/A DOT LABELING: N/A

NOTE: 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.