

MATERIAL SAFETY DATA SHEET

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

Information Telephone Number: 800-255-0262 (M-F 8AM to 5PM, CT) REFERENCE: **RD6-93B** Item Number: 28590

PRODUCT NAME: *Zutron Surgical Instrument Cleaner*
(as it appears on label):

DESCRIPTION: Acidic cleaning solution for the cleaning of medical instruments

REORDER NUMBER: 4x1 Gallon ZUTR28591

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

MARKETED BY:	Zutron Medical 1911 Broadway Kansas City, MO 64108	Date Prepared: Prepared By: Reviewed By:	11-17-2010 Darrin Farmer, Operations Quality Director Richard Kueser, Business/Regulatory Compliance Director
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HMIS RATING HEALTH: 2 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 <small>(Specific Chemical Identity: Common Names)</small>	CAS #'s	OSHA PEL TWA	IDLH	Other Limits Recommended	% <small>(Optional)</small>
Phosphoric Acid 75%	7664-38-2	1mg/m ³	1000 mg/m ³		30.0
<small>N/A = Not Applicable N/E = Not Established N/D = Not Determined N/L = Not Listed</small>					

SECTION 3 – HAZARDS IDENTIFICATION (Potential Health Effects)

POSSIBLE ROUTES OF ENTRY INTO THE BODY:	Eyes, Ingestion, Skin
HEALTH HAZARDS:	Can cause severe eye and skin irritation with prolonged contact. Harmful if swallowed.
SIGNS & SYMPTOMS OF EXPOSURE:	EYES: Possible watering, burning and redness. SKIN: Possible redness and burning. SWALLOWED: Possible gastrointestinal irritation or disturbance. Seek medical attention immediately.
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 for 15 minutes and seek medical attention. SKIN: Remove exposed clothing and rinse skin with clear water for 15 minutes. Seek medical attention if irritation persists. INGESTION: Seek medical attention immediately. INHALATION: Remove to fresh air.

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:	Corrosive material. Use caution and personal protective equipment to avoid direct contact with material.		
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 in accordance with container labeling and local and state regulations.

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 when used according to directions. General ventilation is normally adequate.
SKIN PROTECTION:	Wear appropriate personal protective equipment to avoid contact with skin.
EYE PROTECTION:	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 and avoid contact with skin or clothing. May be harmful if swallowed. Protect food & drink from contamination by product.

SECTION 9 – PHYSICAL / CHEMICAL PROPERTIES

APPEARANCE & ODOR:	Clear colorless liquid				
BOILING POINT:	212° F	DENSITY (lb./gallon) @ 25° C	8.42 to 10.25 lb/gal	pH:	0.3 to 1.0
VAPOR PRESSURE:	N/E	MELTING POINT:	N/E		
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)	Alkaline chemicals
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).
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SECTION 12 – TRANSPORTATION INFORMATION

PROPER SHIPPING NAME: Corrosive liquids, n.o.s. (phosphoric acid) **DOT HAZARD CLASS:** Corrosive, 8, PGI

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.