



# Safety Data Sheet

Issue Date 22-Dec-2006

Revision Date: 31-Dec-2013

Version 2

## 1. IDENTIFICATION

### Product Identifier

**Product Name** Zutron Multi-Enzymatic Foaming Cleanser RTU

### Other means of identification

**SDS #** 28520-1213

**Other Information** RD7-92A Order # ZUTR50502, ZUTR28521, ZUTR28527, ZUTR50504, ZUTR50506

### Recommended use of the chemical and restrictions on use

**Recommended Use** A ready-to-use foaming surfactant and enzyme instrument cleaner.

### Details of the supplier of the safety data sheet

**Distributed By:**  
Zutron Medical, Lenexa, KS

### Emergency Telephone Number

**Company Phone Number** 800-255-0262 (M-F 8AM to 5PM, CST)  
**Emergency Telephone (24 hr)** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** Clear blue liquid      **Physical State** Liquid      **Odor** Pleasant

### Classification

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

The product contains no substances which at their given concentration, are considered to be hazardous to health.

Chemical Name	CAS No	Weight-%
Protease	9014-01-1	<3
Lipase	9001-62-81	<1
Propylene Glycol	57-55-6	<5

## 4. FIRST-AID MEASURES

### First Aid Measures

<b>General Advice</b>	Provide this SDS to medical personnel for treatment. Always get medical attention when product is swallowed or when symptoms are significant or persist.
<b>Eye Contact</b>	Flush with clear water for 15 minutes. If eye irritation persists: Get medical advice/attention.
<b>Skin Contact</b>	Wash off immediately with plenty of water.
<b>Inhalation</b>	Not an expected route of exposure.
<b>Ingestion</b>	If patient is conscious and alert, dilute by drinking large quantities of water. Allow vomiting to occur then get medical attention.

### Most important symptoms and effects

<b>Symptoms</b>	EYES: Possible watering, burning and redness. SKIN: Possible mild irritation with prolonged exposure to concentrate. SWALLOWED: Possible gastrointestinal irritation or disturbance.
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### Indication of any immediate medical attention and special treatment needed

<b>Notes to Physician</b>	Treat symptomatically.
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## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** Not determined.

### Specific Hazards Arising from the Chemical

Product is not flammable or combustible.

### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

<b>Personal Precautions</b>	Use personal protective equipment as required.
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### Methods and material for containment and cleaning up

<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so.
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<b>Methods for Clean-Up</b>	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.
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## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on Safe Handling** Handle in accordance with good industrial hygiene and safety practice. Do not contaminate water, food, or feed. Do not reuse empty containers. Keep containers clean & closed.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep out of the reach of children.

**Incompatible Materials** None known based on information supplied.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines The following information is given as general guidance

### Appropriate engineering controls

**Engineering Controls** Mechanical Ventilations (General): Normally sufficient  
Local Exhaust: Not Normally Needed.

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Avoid contact with eyes while using, wear eye protection if application might allow getting product into eyes.

**Skin and Body Protection** Not normally needed, avoid prolonged contact with skin, wear gloves if unavoidable.

**Respiratory Protection** Not needed. General ventilation is normally adequate.

**General Hygiene Considerations** Do not get into eyes. Protect food & drink from contamination by product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical State</b>	Liquid	<b>Odor</b>	Pleasant
<b>Appearance</b>	Clear blue liquid	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Clear blue		

<u>Property</u>	<u>Values</u>	<u>Remarks</u>
pH	7.0-9.0 (Ready to use)	<u>Method</u>
Melting Point/Freezing Point	Not established	
Boiling Point/Boiling Range	100 °C / 212 °F	
Flash Point	Not flammable	
Evaporation Rate	Not established	
Flammability (Solid, Gas)	Not determined	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	Not established	
Vapor Density	Not established	

<b>Specific Gravity</b>	0.993 – 1.023 @25C
<b>Water Solubility</b>	Completely soluble
<b>Solubility in other solvents</b>	Not determined
<b>Partition Coefficient</b>	Not determined
<b>Autoignition Temperature</b>	Not determined
<b>Decomposition Temperature</b>	Not determined
<b>Kinematic Viscosity</b>	Not determined
<b>Dynamic Viscosity</b>	<100 cps
<b>Explosive Properties</b>	Not determined
<b>Oxidizing Properties</b>	Not determined
<b>Density</b>	8.28-8.53 lbs/gal

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Conditions to Avoid

Keep out of reach of children.

### Incompatible Materials

None known based on information supplied.

### Hazardous Decomposition Products

None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

<b>Eye Contact</b>	May cause mild eye irritation.
<b>Skin Contact</b>	Prolonged contact may cause redness and irritation.
<b>Inhalation</b>	Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
<b>Ingestion</b>	May cause discomfort if swallowed.

### Component Information

### Information on physical, chemical and toxicological effects

<b>Symptoms</b>	Please see section 4 of this SDS for symptoms.
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### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Carcinogenicity</b>	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
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### Numerical measures of toxicity

Not determined

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

The product is not expected to be hazardous to the environment.

**Persistence/Degradability**

Not determined

**Bioaccumulation**

Not determined

**Mobility**

Not determined

**Other Adverse Effects**

Not determined

**13. DISPOSAL CONSIDERATIONS****Waste Treatment Methods****Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**14. TRANSPORT INFORMATION****Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT**

Not regulated

**IATA**

Not regulated

**IMDG**

Not regulated

**15. REGULATORY INFORMATION****International Inventories**

Not determined

**Legend:***TSCA - United States Toxic Substances Control Act Section 8(b) Inventory**DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List**EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances**ENCS - Japan Existing and New Chemical Substances**IECSC - China Inventory of Existing Chemical Substances**KECL - Korean Existing and Evaluated Chemical Substances**PICCS - Philippines Inventory of Chemicals and Chemical Substances***US Federal Regulations****SARA 313**

Not determined

**US State Regulations****U.S. State Right-to-Know Regulations**

Not determined

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
	0	0	0	Not determined
<b><u>HMIS</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal Protection</b>
	0	0	0	Not determined

<b>Issue Date</b>	26-Dec-2006
<b>Revision Date:</b>	31-Dec-2013
<b>Revision Note</b>	New format

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**