

Enzymatic Detergent Manual Cleaning

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier used on the label : **Enzymatic Detergent Manual Cleaning Concentrate, Low Foam**

Other means of identification : Multi-Enzyme Detergent for Manual Soaking and Cleaning of Surgical Instruments
: 2120001, 2120002, 2120005, 2120015, 106-8026, 106-8028, 106-8029, 106-8030

Recommended use of the chemical and restrictions on use:

Product for hospital and professional use only for manual cleaning of surgical instruments. Not for home use.

Name, address, and telephone number of the chemical manufacturer:

BELIMED INC.
8351 Palmetto Commerce Parkway, Suite 101
Ladson, SC 29456 USA
Telephone Number for Information : 1-800-451-4118

Emergency telephone number

CHEMTREC : 1-800-424-9300 (24/7, US and Canada)

SECTION 2: HAZARD IDENTIFICATION

Classification of the substance or mixture

Hazard Class : SKIN SENSITIZATION
Hazard Category : 1

Signal word, hazard statement(s), symbol(s) and precautionary statement(s)

Signal word : WARNING

Hazard Statement(s) : H317 - May cause an allergic skin reaction.



Precautionary Statements

: **Prevention**
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P272 - Contaminated work clothing should not be allowed out of the workplace
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

: **Response**
IF ON SKIN:
P302+352 Wash with plenty of soap and water.
P321 - Specific treatment see ... on this label.
P333+313 - If skin irritation or rash occurs, seek medical advice/attention.

P362+364 - Take off contaminated clothing and wash it before reuse.

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Disposal : P501 - Dispose of contents and containers in accordance with local, regional, national,

Hazards not otherwise classified : Not available.

Percentage of ingredient(s) with unknown toxicity : None known.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

The following chemicals are classified as health hazards in accordance with 29 CFR 1910.1200

Chemical Name	CAS Number (Unique Identifier)	Concentration	Classification §1910.1200
Sodium Xylene Sulfonate	1300-72-7	2 – 3 %	Eye irritation 2A
1,2-Benzotiazol-3(2H)-on	2634-33-5	0.1 – 0.2 %	Acute Oral Toxicity 4 Eye Damage 1 Skin Corrosion 2 Skin Sensitizer 1

SECTION 4: FIRST AID MEASURES**Description of necessary measures**

Emergency and First Aird Procedure: If medical advice is required, show this safety data sheet to the doctor in attendance.

Inhalation: Avoid breathing mists/vapors/spray. If breathed in, move person into fresh air. If breathing becomes difficult, call a physician.

Skin contact: Wear protective gloves and avoid contact with skin. Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs, seek medical advice/attention.

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation develops, get medical aid.

Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If conscious, rinse mouth With water. If effects occur, consult a physician.

Sign of Symptoms of Exposure

Skin contact: May an allergic skin reaction. Symptoms may include redness, itching, and rash.

Indication of any immediate medical attention and special treatment needed: No data available.

Note to Physicians: Treat symptomatically and supportively.

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SECTION 5: FIREFIGHTING MEASURES

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Dry chemical, carbon dioxide, water spray, or regular foam.

Unsuitable extinguishing media: None

Specific hazards arising from the chemical: Oxides of carbon, oxides of nitrogen, and oxides of sulfur.

Special protective equipment and precautions for firefighters

In case of fire, wear a full-face positive-pressure self-contained breathing apparatus, MSHA/NIOSH approved (or equivalent) and protective suit. Shut off all ignition sources. Avoid breathing vapors, keep upwind. Keep unnecessary personnel away.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures

Wear protective gloves and avoid contact with skin. Stop or reduce any leaks if it is safe to do so. Spills present a slipping hazard. Keep unnecessary personnel away. Ensure clean-up is conducted by trained personnel only. Make sure area is slip-free before re-opening to traffic.

Environmental Precautions

None known.

Methods and materials for containment and cleaning up

Stop spill or leak if safe to do so. Absorb spill with a non-combustible absorbent material, then place in a suitable container for disposal. Recover by pumping or by using a suitable absorbent material and place into containers for later disposal. Dispose of in accordance with local, state, and federal regulations.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Do not get in eyes, on skin, or on clothing. Wear protective gloves and avoid contact with skin. Avoid inhalation of vapor or mist. Use with adequate ventilation. Remove contaminated clothing and wash before reuse.

Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated area away from incompatible substances. Avoid extremely high or low temperatures. Keep container tightly closed when not in use.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Equipment (Specify Type): Not required under normal conditions of use with adequate ventilation.

If the Occupational Exposure Limit (OEL) is exceeded, wear an appropriate NIOSH/MSHA approved respirator to control exposures to below the OEL.

Eye Protection: Not required under normal conditions of use with adequate ventilation. If the Occupational Exposure Limit (OEL) is exceeded, wear an appropriate NIOSH/MSHA approved respirator to control exposures to below the OEL.

Protective Gloves: Wear protective gloves and avoid contact with skin.

Other Protective Clothing: No data available.

Engineering Control Ventilation: Use with adequate ventilation. Facilities storing or utilizing this material should be equipped with an eyewash facility, and a safety shower is recommended.

Work/Hygienic/Maintenance Practice: Handle in accordance with good industrial hygiene and safety practice.

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Environmental Exposure Controls: No data available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Clear, Green, Liquid
Odor	: Floral odor
Odor threshold	: No data available
pH	: 7.5 – 8.5 (neat)
pH	: 6.0 - 8.5 (1% solution)
Melting point / range	: No data available
Boiling point / range	: No data available
Flash point	: No data available
Evaporation rate	: No data available
Flammable/Explosive limits - lower	: No data available
Flammable/Explosive limits - upper	: No data available
Vapor pressure	: No data available
Vapor density	: No data available
Solubility in water	: Completely soluble
Partition coefficient (n-octanol/water)	: No data available
Autoignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
VOC content	: No data available
Density	: No data available
Relative Density	: Approximately 1.030 (Specific Gravity)

SECTION 10: STABILITY AND REACTIVITY

Reactivity	: This product could react with strong acids.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No data available.
Conditions to avoid	: Avoid extremes of temperature.
Incompatible materials	: Strong oxidizing agents, bases.
Hazardous decomposition products	: Thermal decomposition products may include oxides of carbon. or combustion may liberate toxic gases or fumes.

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological Information	: Acute Oral Toxicity: No information available. Acute Dermal Toxicity: No information available. Acute Inhalation Toxicity: No information available. Aspiration hazard: No information available.
Irritation or Corrosion	: No information available.
Chronic Toxicological Effects	: Specific target organ toxicity - single exposure: No data available. Epidemiology: No information available. Teratogenicity: No information available. Reproductive Effects: No information available. Mutagenicity: No information available.

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Carcinogenicity/Other Information

Neurotoxicity: No information available.
Specific target organ toxicity -repeated exposure: no data available.
Germ cell mutagenicity: No information available.
: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. NTP: No component of this product present at evels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

SECTION 12: ECOLOGICAL INFORMATION

Aquatic Toxicity:

The following toxicity information is available for the hazardous ingredient(s) when used as technical grade. The product is anticipated to be safe for the environment at concentrations predicted in settings under normal-use conditions. One component, sodium tetraborate pentahydrate, is considered harmful to the aquatic environment when used in high concentrations.

'NON-HAZARDOUS' The LC₅₀ of this sample is greater than 500 mg/L. Therefore, the sample should not be considered hazardous on the basis of aquatic toxicity per the guidance established in the Polisini & Miller (CDFG 1988) protocol. Per guidance provided in CCR, Title 22, Section 66261.24a.2B.6, samples with an acute 96-hour LC₅₀ value greater than 500 mg/L when measure in soft water with fathead minnows are not identified as toxic hazardous waste to the aquatic environment.

96 LC50: >750 mg/L

LC50 Method: Linear Interpolation (ICPIN)

Toxicity to fish:

The product is not anticipated to be toxic to fish.

Toxicity to aquatic invertebrates:

The product is not anticipated to be toxic to aquatic invertebrates.

Toxicity to algae:

The product is not anticipated to be toxic to algae.

Persistence and degradability:

The majority of the components of this product are anticipated to be biodegradable.

Bioaccumulation Potential:

The bioaccumulation potential of this product has not been determined.

Mobility:

The mobility of this product (in soil and in water) has not been determined.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Number and Description : Not applicable

Disposal Considerations : Not regulated. Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

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- Disposal of products** : This product is not a RCRA hazardous waste and can be disposed of in accordance with federal, state, and local regulations.
- Disposal of packages** : Do not reuse this container. Rinse it with water and place it in trash.

SECTION 14: TRANSPORT INFORMATION

The information in this section is for reference only and should not take the place of a shipping paper (bill of lading) specific to an order. Please note that the proper shipping classification may vary by packaging, properties, and mode of transportation.

- Land Transport (DOT) : Not-hazardous
 Sea Transport (IMDG/IMO) : Not-hazardous
 Air transport (IATA) : Not-hazardous

SECTION 15: REGULATORY INFORMATION**Occupational Safety and Health Act:**

Hazard Communication Rule, 29 CFR 1910.1200: The Occupational Safety and Health Administration (OSHA) require Safety Data Sheets (SDSs) to provide information about any hazard that may be associated with the product and make this information available in the workplace. Since the use pattern and exposure in the workplace are generally not consistent with those experienced by consumers, this SDS may contain health hazard information not relevant to consumer use.

United States Regulatory Information

- TSCA 12 (b) Export Notification** : Not available
CERCLA/SARA Section 311/312 : Not available
CERCLA/SARA Section 313 : None above reporting de minimis.
California Proposition 65 : This product does not contain substances listed under California Proposition 65.
California Cleaning Product Act to Know Act of 2017 (SB 258) : This product is labeled in compliance with CA SB258.

Chemical Name	CAS Registry Number	Functional Purpose	List(s)
Water	7732-18-5	Diluent	Not Applicable
Glycerin	56-81-5	Stabilizer	Not Applicable
Sodium Xylene Sulfonate	1300-72-7	Cleaning Agent	Not Applicable
Sodium Polyacrylate	9003-04-7	Cleaning Agent	Not Applicable
Tetrasodium Iminodisuccinate	144538-83-0	Chelating Agent	Not Applicable
Sodium Formate	141-53-7	Stabilizer	Not Applicable
1,2-Benzisothiazol-3(2H)-one	2634-33-5	Biocide	Not Applicable
Benzotriazole (45%)	95-14-7	Corrosion Inhibitor	Not Applicable
Enzyme Blend	Withheld	Cleaning Agent	Not Applicable
Colorant 1	Withheld	Dye	Not Applicable
Colorant 2	Withheld	Dye	Not Applicable

*refer to www.belimed.com/en-us/solution/consumables-protect for electronic links to designated lists

The ingredients of this product are reported on the following inventories:**TSCA 8 (b) Inventory Status**

All components of this product are either listed on or exempt from the U.S. Toxic Substances Control

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Hazardous Components (Chemical Name)	CAS Registry Number	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
Sodium Xylene Sulfonate	1300-72-7	No	No	No
Sodium Polyacrylate	9003-04-7	No	No	No
1,2-Benzisothiazol-3(2H)-one	2634-33-5	No	No	No

Hazardous Components (Chemical Name)	CAS Registry Number	Other US EPA or State List
Sodium Xylene Sulfonate	1300-72-7	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes Inventory; CA PROP.65: No; NJ EHS: No; PA HSL: No
Sodium Polyacrylate	9003-04-7	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes Inventory; CA PROP.65: No; NJ EHS: No; PA HSL: No
1,2-Benzisothiazol-3(2H)-one	2634-33-5	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes Inventory; CA PROP.65: No; NJ EHS: No; PA HSL: No

SECTION 16: ADDITIONAL INFORMATION**NFPA health hazard:** 1**NFPA fire hazard:** 0**NFPA reactivity:** 0**Additional information:** None

DISCLAIMER: The information provided on this sheet is not to be considered as warranty or quality specification. The information is given to provide general knowledge as to health and safety based on our understanding of safe handling, storage, transportation, disposal, and release. The information relates to the specific material designated and may not be valid for such material used in combination with any other materials or any process unless specified in the text.

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