

SAFETY DATA SHEET (SDS)

Complies with OSHA's Hazard Communication Standard 2012 and the Global Harmonized Standard (GHS).

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Section 1 : Identification

Product Identification: Z-3 Enzymatic Detergent Item Number: 5136-363

Manufacturer:

Benco Dental Supply Company General Phone Number: (800) 462 3626
295 Centerpoint Blvd.
Pittston, PA 18640
CHEMTREC 24 Hour Hazmat Emergency Communications Center

Emergency Phone Number:

Domestic: 1 (800) 424 9300
Outside the U.S. : 1 (703) 527 3887

Product use: Cleaning of dental/medical instruments and evacuation systems

Section 2 : Hazard(s)

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

2.1 Classification of the Substance or Mixture:

Physical Eye Irritation Category 2
Skin Irritation Category 2
Respiratory Sensitization Category 1

GHS Label elements, including precautionary statements:

Pictogram
Signal word: Danger



Danger

Hazard Statements

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

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Precautionary statements

P261 Avoid breathing mist, vapors or spray.

P264 Wash thoroughly after handling.

P280 Wear protective gloves and eye protection.

P284 In case of inadequate ventilation wear respiratory protection.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P332 + P313 If skin irritation occurs: Get medical attention.

P362 + P364 Take off contaminated clothing and wash it before reuse.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical attention.

P304 + P340 IF INHALED: remove person to fresh air and keep comfortable for breathing.

P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor.

P501 Dispose of contents and container in accordance with local and national regulations.

Hazard Summary: Product contains surfactants and mixture of protease, lipase, and amylase enzymes along with multiple enzyme forming bacterial spores. Very low hazard when used according to label directions.

Section 3 : Composition / information on Ingredients

Hazardous Ingredient(s)	CAS #	Exposure	PEL, TLV, TWA	%
Nonionic surfactant	[9016-45-9]	NE	<5	
Proprietary Enzyme/Spore Blend	--	NE	<25	

Section 4 : First-aid measures

EMERGENCY FIRST AID PROCEDURES

SKIN: Flush area with water for 15 minutes. If irritation persists seek medical attention.

EYE: IMMEDIATE EYE WASH with water for 15 MINUTES. Seek immediate medical attention.

INGESTION: Induce vomiting. Give large quantities of milk. Seek immediate medical attention.

INHALATION: Remove to fresh air. If discomfort persists seek medical attention.

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Potential Acute Health Effects

Skin: May cause irritation to skin on contact.

Eyes: May cause moderate irritation when contacting eyes.

Ingestion: Gastrointestinal discomfort, nausea, irritation of mouth, nasal passages and throat.

Inhalation: Unlikely to cause health effects.

Chronic Exposure: Not established.

Carcinogenicity: Ingredients not listed as carcinogens.

Section 5 : Fire-fighting measures

Flash Point : Not flammable **Flammable limits :** N/A **LEL :** N/A **UEL :** N/A

Extinguishing media: Not flammable. **Unusual fire and explosion hazards:** None

Special Fire Fighting Procedure: Product not flammable. No special requirements.

Section 6 : Accidental release measures

Personal precautions: Use personal protection per Section 8.

Environmental precautions: Product is biodegradable.

Methods for cleaning up: Mop up spill or use inert powder to soak up liquid and place in appropriate disposal container.

Section 7 : Handling and storage

Handling: Use in well ventilated areas. Avoid contact with eyes

Advice on protection against fire and explosion: Product is not flammable. **Storage:** Store in well ventilated areas at ambient temp. **Advice on common storage:** **Do not store next to strong oxidizers and acids.**

Section 8 : Exposure control / personal protection

Engineering Measures: Provide normal room ventilation.

Personal Precautions: Use protective clothing as specified below.

Eye Protection: Use safety goggles or approved safety glasses.

Hand Protection: Use protective gloves and discard after contact with product.

Skin and body protection: Pants, long sleeves, clinical jacket.

Respiratory protection: Not normally required as long as adequate room ventilation is present.

Hygiene measures: Wash hands after using. Emergency eye wash station must be available.
Launder contaminated clothing.

Exposure Guidelines: None determined.

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Section 9 : Physical chemical properties

Boiling Point : 225 F Specific Gravity : 1.01 -- 1.03 @ 20C Vapor Pressure: (mm Hg) ND

Melting Point : N/A Evaporation Rate : (n-butyl = 1) ND Vapor Density : (Air = 1) ND

Solubility in Water : Complete pH : 7.0 -- 8.0

Appearance and Odor: Clear, blue-green liquid with mint fragrance.

Section 10 : Stability and reactivity

Materials to avoid: Avoid contact with strong oxidizing agents, strong acids, halogens, peroxides.

Hazardous decomposition products: Product may produce carbon monoxide, carbon dioxide, sulfur and nitrogen oxides under extreme heat.

Hazardous reactions: May evolve gases if mixed with strong oxidizing agents and acids.

Section 11 : Toxicological information

Acute Toxicity Data:

Product: Subtilisin: Oral rat LD50 3,700 mg/kg

Not listed as a carcinogen by OSHA, IARC, AGCIH, or NTP.

Section 12 : Ecological information

There is no information available at this time for this product.

Section 13 : Disposal consideration

Waste/Disposal Information: Observe all Federal, State, and Local Environmental Regulations when disposing of this product.

Use and or alterations to this product such as mixing with other materials/chemicals may significantly change the characteristics of the material and alter product hazard classifications and the proper disposal method.

Section 14 : Transport information

Product is not classified as a Hazardous Material: (If NO, DOT Information not required)

DOT Proper Shipping name: Not required
UN-Number: Not required
Class: Not required
Packing Group: Not required

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Section 15 : Regulatory information

HAZARD RATING	H	2
4 = Extreme	<u>HEALTH</u>	
3 = High	F	0
2 = Moderate	<u>FLAMMABILITY</u>	
1 = Slight	R	1
0 = Insignificant	<u>REACTIVITY</u>	

Section 16 : Other information

Date prepared: August 2017 Revision: 1.00A

Information contained herein is furnished without warranties of any kind. Users should consider this data only as supplements to other information obtained by them and must make independent determinations of completeness and suitability of information from all sources to ensure proper disposal and use of materials for the safety and health of both employees and customers.