

(M)SDS Format : 

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**8 9 10 11 12 13 14 15 16****SAFETY DATA SHEET****SECTION 1 : IDENTIFICATION**

Product Name: **ENZ-3212**  
 Product Code: **0000**  
 SDS Manufacturer Number: **ENZ-3212NOTREG**  
 Product Description: **Enzyme mold stain cleaner**  
 Manufacturer Name: **Contec, Inc.**  
 Address: **525 Locust Grove  
 Spartanburg, South Carolina 29303  
 USA**  
 Website: **www.contecinc.com**  
 General Phone Number: **1-864-503-8333**  
 Emergency Phone Number: **Chemtreco US: 1-800-424-9300 International: 1-703-527-3887**  
 SDS Creation Date: **September 26, 2014**  
 SDS Revision Date: **September 26, 2014**

**NFPA**

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2 0

**HMIS**

Health Hazard	2
Fire Hazard	1
<b>Reactivity</b>	<b>0</b>
<b>Personal Protection</b>	<b>X</b>

**SECTION 2 : HAZARD(S) IDENTIFICATION**

GHS Pictograms:



Signal Word:

**WARNING!**

GHS Class:

**Eye Irritant, Category 2.  
Skin Irritant, Category 2.**

Hazard Statements:

**Causes eye irritation.  
Causes skin irritation.**

Precautionary Statements:

**Wash hands thoroughly after handling.  
 Wear protective gloves/protective clothing/eye protection/face protection.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
 Continue rinsing.  
 If eye irritation persists: Get medical advice/attention.  
 IF ON SKIN: Wash with plenty of soap and water.  
 If skin irritation or rash occurs: Get medical advice/attention.  
 Wash contaminated clothing before reuse.**

Emergency Overview:

**WARNING! Irritant. Harmful if inhaled or swallowed.**

Route of Exposure:

**Eyes. Skin. Inhalation. Ingestion.**

Potential Health Effects:

Eye:

**Can cause severe irritation, redness and swelling.**

Skin:	Can cause skin irritation; itching, redness, rashes, hives, burning, and swelling.
Inhalation:	Prolonged or excessive inhalation may cause respiratory tract irritation. May cause respiratory sensitization with asthma-like symptoms in susceptible individuals.
Ingestion:	Ingestion of the product may produce gastrointestinal irritation and disturbances.
Target Organs:	Eyes. Skin. Respiratory system. Digestive system.

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### SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent	EC Num.
Water	7732-18-5	12.5 - 23.5 by weight	231-791-2
Enzymes	Proprietary	65 - 70 by weight	
Alcohol ethoxylate	68439-46-3	7 - 10 by weight	
Sodium octanesulfonate	5324-84-5	4 - 7 by weight	226-195-4
Fragrances and inert ingredients	Proprietary	<0.5 by weight	

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### SECTION 4 : FIRST AID MEASURES

Eye Contact:	Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Get immediate medical attention.
Skin Contact:	Immediately wash skin with plenty of soap and water for 15 to 20 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.
Ingestion:	If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.
Other First Aid:	Due to possible aspiration into the lungs, DO NOT induce vomiting if ingested. Provide a glass of water to dilute the material in the stomach. If vomiting occurs naturally, have the person lean forward to reduce the risk of aspiration.

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### SECTION 5 : FIRE FIGHTING MEASURES

Flash Point:	Not determined.
Auto Ignition Temperature:	Not determined.
Lower Flammable/Explosive Limit:	Not determined.
Upper Flammable/Explosive Limit:	Not determined.
Fire Fighting Instructions:	Evacuate area of unprotected personnel. Use cold water spray to cool fire exposed containers to minimize risk of rupture. Do not enter confined fire space without full protective gear. If possible, contain fire run-off water.
Extinguishing Media:	Alcohol resistant foam, dry chemical, or water spray is recommended.
Protective Equipment:	In the event of a fire, wear Self-Contained Breathing Apparatus (SCBA), approved or in accordance to NFPA, NIOSH, and/or European Standard EN 137 guidelines or equivalent and full protective gear.
Hazardous Combustion Byproducts:	Thermal decomposition products may include smoke and toxic fumes.

#### **NFPA Ratings:**

NFPA Health:	2
NFPA Flammability:	1
NFPA Reactivity:	0

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### SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Evacuate area and keep unnecessary and unprotected personnel from entering the spill area.
Environmental Precautions:	Avoid runoff into storm sewers, ditches, and waterways.
Methods for containment:	Contain spills with an inert absorbent material such as soil, sand or oil dry.
Methods for cleanup:	Clean up spills immediately observing precautions in the protective equipment section.

## SECTION 7 : HANDLING and STORAGE

Handling:	Use with adequate ventilation. Avoid breathing vapor, aerosol or mist.
Storage:	Store in a cool, dry, well ventilated area away from sources of heat, combustible materials, direct sunlight, and incompatible substances. Keep container tightly closed when not in use. Consult the technical data sheet to determine storage conditions related to warranty period (shelf life).
Hygiene Practices:	Wash thoroughly after handling.

## SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls:	Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.
Eye/Face Protection:	Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.
Skin Protection Description:	Wear appropriate protective gloves and other protective apparel to prevent skin contact. Consult manufacturer's data for permeability data.
Respiratory Protection:	Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced. Comply with the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149 Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.
Other Protective:	Facilities storing or utilizing this material should be equipped with an eyewash and a deluge shower safety station.

PPE Pictograms:



### EXPOSURE GUIDELINES

Guideline ACGIH:	No data available for this product.
Guideline OSHA:	No data available for this product.

## SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

Physical State Appearance:	Liquid.
Color:	Amber.
Odor:	Citrus
Boiling Point:	Not determined.
Melting Point:	Not determined.
Specific Gravity:	1.0300 - 1.0350 @ 20°C (Ref: water = 1).
Solubility:	completely miscible.
Vapor Density:	Not determined.
Vapor Pressure:	Not determined.
Evaporation Rate:	Not determined.
pH:	5.5 - 6.5
Coefficient of Water/Oil Distribution:	Not determined.

Flash Point: Not determined.  
Auto Ignition Temperature: Not determined.  
VOC Content: Not determined.

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## SECTION 10 : STABILITY and REACTIVITY

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Chemical Stability: Stable under normal temperatures and pressures.  
Hazardous Polymerization: Not reported.  
Conditions to Avoid: Extreme heat, sparks, and open flame. Incompatible materials, oxidizers and oxidizing conditions.  
Incompatible Materials: Oxidizing agents. Strong acids and alkalis.

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## SECTION 11 : TOXICOLOGICAL INFORMATION

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### Alcohol ethoxylate :

Skin: Administration onto the skin - Rabbit LD50 - Lethal dose, 50 percent kill: >2 gm/kg [Behavioral-Somnolence (general depressed activity)Behavioral-AtaxiaGastrointestinal-Hypermotility, diarrhea] (RTECS)  
Ingestion: Oral - Rat LD50 - Lethal dose, 50 percent kill: 1378 mg/kg [Behavioral-Somnolence (general depressed activity)Behavioral-AtaxiaGastrointestinal-Hypermotility, diarrhea] (RTECS)

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## SECTION 12 : ECOLOGICAL INFORMATION

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Ecotoxicity: No ecotoxicity data was found for the product.  
Environmental Fate: No environmental information found for this product.

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## SECTION 13 : DISPOSAL CONSIDERATIONS

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Waste Disposal: Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 or the EU Directive 2008/98/EC on waste for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state, local, or provincial waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines.

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## SECTION 14 : TRANSPORT INFORMATION

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DOT Shipping Name: Not regulated as hazardous material for transportation.  
DOT Hazard Class: Not applicable.  
DOT Packing Group: Not applicable.  
  
IATA Shipping Name: Not regulated as hazardous material for transportation.  
IATA Hazard Class: Not applicable.  
IATA Packing Group: Not applicable.  
  
IMDG Shipping Name : Not regulated as hazardous material for transportation.  
IMDG Hazard Class : Not applicable.  
IMDG Packing Group : Not applicable.

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## SECTION 15 : REGULATORY INFORMATION

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TSCA Inventory Status: All of the components in this product are listed or are exempt.

SARA: This product does not contain any chemicals which are subject to the reporting requirements of the Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III (40CFR, Part 372).

Section 302 EHS: EPCRA (SARA Title III) Section 302 (40 CFR Part 355) Extremely Hazardous Substances (EHS) Threshold Planning Quantity (TPQ) in pounds. None.

Section 311/312 Hazard Categories:

Acute Health Hazard:	Yes.
Chronic Health Hazard:	No.
Risk of Ignition.:	No.
Sudden Release of Pressure Hazard.:	No.
Reactive Hazard:	No.

California PROP 65: This product does not contain any Proposition 65 chemicals.

Canada DSL: All component(s) comprising this product are either exempt or listed on the DSL.

**Water :**

EC Number: 231-791-2

**Alcohol ethoxylate :**

TSCA Inventory Status: Listed

Canada DSL: Listed

**Sodium octanesulfonate :**

Canada DSL: Listed

EC Number: 226-195-4

**SECTION 16 : ADDITIONAL INFORMATION****HMIS Ratings:**

HMIS Health Hazard:	2
HMIS Fire Hazard:	1
HMIS Reactivity:	0
HMIS Personal Protection:	X

SDS Creation Date: September 26, 2014

SDS Revision Date: September 26, 2014

MSDS Author: Actio Corporation

Disclaimer: The information provided in this Safety Data Sheet is correct to our knowledge at the date of its revision. The information given only describes the products with regard to safety arrangements and is not to be considered as a warranty or quality specification and does not constitute a legal relationship. The information contained in this Safety Data Sheet relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

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