

SAFETY DATA SHEET

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Revision Number 0

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

GHS product identifier

Product Name

ENZI-KEM

Other means of identification

Product Code(s)

ENZK

Synonyms

ENZK

Recommended use of the chemical and restrictions on use

Recommended Use

BACTERIAL-ENRICHED FLOOR CLEANER

Uses advised against

No information available

Supplier's details

Supplier Address

Envirochem, Inc
425 Whitehead Ave
South River, NJ
08882
TEL: 732-238-6700

DISTRIBUTOR ADDRESS

RON DISTRIBUTORS
4185 DAIRY COURT
PORT ORANGE, FL
32129
TEL: 386-238-4245

Emergency telephone number

Emergency Telephone
Number

CHEM-TEL, INC.
24 Hour Emergency Contact 1-800-255-3924

Classification

2. HAZARDS IDENTIFICATION

This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)

Serious Eye Damage/Eye Irritation

Category 2A

GHS Label elements, including precautionary statements

Emergency Overview

Signal Word

Hazard Statements

- Causes serious eye irritation

Warning

Appearance Clear
Odor No information available

Physical State Liquid.

Precautionary Statements

Prevention

- Wash face, hands and any exposed skin thoroughly after handling
- Wear eye/face protection.

General Advice

- None

Eyes

- 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.

Storage

- None

Disposal

- None

Hazard Not Otherwise Classified (HNOC)

Not applicable

Other information

Harmful to aquatic life with long lasting effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms

ENZK

Chemical Name	CAS-No	Weight %	Trade secret
Tetrasodium EDTA	64-02-8	1-5	*
Propylene glycol	57-55-6	1-5	*
Hydrogen peroxide	7722-84-1	0.1-1	*

**The exact percentage (concentration) of composition has been withheld as a trade secret.*

4. FIRST AID MEASURES

Description of necessary first-aid measures

Eye Contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required.

Skin Contact

Wash off with warm water and soap. Remove and wash contaminated clothing before re-use. If symptoms persist, call a physician.

Inhalation

Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.

Ingestion

Drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Immediate medical attention is required.

Most important symptoms/effects, acute and delayed

Most Important Symptoms/Effects No information available.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to Physician

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

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

Unsuitable Extinguishing Media None

Specific Hazards Arising from the Chemical

No information available.

Explosion Data

Sensitivity to Mechanical Impact

None.

Sensitivity to Static Discharge

None.

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

Personal Precautions

Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Stop leak if you can do it without risk. If spilled, take caution, as material can cause surfaces to become very slippery.

Environmental Precautions

Environmental Precautions

Dispose of contents/container to an approved waste disposal plant. Avoid release to the environment. See Section 12 for additional Ecological Information

Methods and materials for containment and cleaning up

Methods for Containment

Stop leak if you can do it without risk

Methods for Cleaning Up

Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling

Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapors or mists. Use only in area provided with appropriate exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Do not take internally. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage

Store at room temperature. Keep container closed when not in use. Keep out of the reach of children.

Incompatible Products Oxidizing agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Hydrogen peroxide 7722-84-1	TWA: 1 ppm	TWA: 1 ppm TWA: 1.4 mg/m ³ (vacated) TWA: 1 ppm (vacated) TWA: 1.4 mg/m ³	IDLH: 75 ppm TWA: 1 ppm TWA: 1.4 mg/m ³

Appropriate engineering controls

Engineering Measures Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection Tightly fitting safety goggles.
Skin and Body Protection Rubber gloves. Latex gloves
Respiratory Protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State

Odor

Liquid
No information available

Appearance

Odor Threshold

Clear
No information available

Property	Values
Remarks/ - Method	
pH (4 % solution)	9.5
Melting Point/Range	No data available
Boiling Point/Boiling Range	> 100 °C
Flash Point	No data available
None known None known None known	
Evaporation rate Flammability (solid, gas) Flammability Limits in Air	
upper flammability limit	No data available
No data available	
No data available	
No data available	
lower flammability limit	No data available
No data available Relative Density	Vapor Pressure No data available
None known None known None known	Vapor Density No data available
Specific Gravity	
1.02	

None known

Water Solubility 100
Solubility in other solvents No data available **Partition coefficient: n-octanol/water** No data available **Autoignition Temperature** No data available **Decomposition Temperature** No data available **Viscosity**
No data available

None known None known None known None known None known None known

Flammable Properties Not flammable

Explosive Properties
Oxidizing Properties

No data available
No data available

Other information

VOC Content (%)

No data available

10. STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to avoid

Incompatible products.

Incompatible materials

Oxidizing agents.

Hazardous decomposition products

Carbon oxides. Nitrogen oxides (NOx).

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation May cause irritation of respiratory tract.
Eye Contact Causes serious eye irritation.
Skin Contact May cause irritation.
Ingestion No known hazard by swallowing. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Tetrasodium EDTA	10 g/kg (Rat)	-	-
Propylene glycol	20000 mg/kg (Rat)	= 20800 mg/kg (Rabbit)	-
Hydrogen peroxide	= 801 mg/kg (Rat)	= 4060 mg/kg (Rat) = 2000 mg/kg (Rabbit)	= 2 mg/L (Rat) 4 h

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Delayed and immediate effects and also chronic effects from short and long term exposure

Sensitization No information available.

Mutagenic Effects No information available.

Carcinogenicity

Contains no ingredients above reportable quantities listed as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Hydrogen peroxide	A3	Group 3		

ACGIH: (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC: (International Agency for Research on Cancer)

Group 3: Not Classifiable as to its Carcinogenicity to Humans

Reproductive Toxicity No information available.

STOT - single exposure STOT - repeated exposure Aspiration Hazard

No information available. No information available. No information available.

Numerical measures of toxicity - Product

The following values are calculated based on chapter 3.1 of the GHS document:

LD50 Oral 9914 mg/kg; Acute toxicity estimate

LD50 Dermal 37933 mg/kg; Acute toxicity estimate

12. ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic life with long lasting effects.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Tetrasodium EDTA 64-02-8	EC50 72 h: = 1.01 mg/L (Desmodesmus subspicatus)	LC50 96 h: = 41 mg/L static (Lepomis macrochirus) LC50 96 h: = 59.8 mg/L static (Pimephales promelas)		EC50 24 h: = 610 mg/L (Daphnia magna)
Propylene glycol 57-55-6	EC50 96 h: = 19000 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h: = 51600 mg/L static (Oncorhynchus mykiss) LC50 96 h: 41 - 47 mg/L static (Oncorhynchus mykiss) LC50 96 h: = 51400 mg/L static (Pimephales promelas) LC50 96 h: = 710 mg/L (Pimephales promelas)	EC50 = 710 mg/L 30 min	EC50 24 h: > 10000 mg/L (Daphnia magna) EC50 48 h: > 1000 mg/L Static (Daphnia magna)
Hydrogen peroxide 7722-84-1	EC50 72 h: = 2.5 mg/L (Chlorella vulgaris)	LC50 96 h: 10.0-32.0 mg/L static (Oncorhynchus mykiss) LC50 96 h: 18-56 mg/L static (Lepomis macrochirus) LC50 96 h: = 16.4 mg/L (Pimephales promelas)		EC50 48 h: 18 - 32 mg/L Static (Daphnia magna) EC50 24 h: = 7.7 mg/L (Daphnia magna)

Persistence and Degradability No information available.

Bioaccumulation No information available.

Other Adverse Effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods Dispose of in accordance with federal, state, and local regulations

Contaminated Packaging

Do not re-use empty containers.

Chemical Name	California Hazardous Waste
Hydrogen peroxide	Toxic Corrosive Ignitable Reactive

14. TRANSPORT INFORMATION**DOT**

Not regulated

International Inventories**15. REGULATORY INFORMATION**

TSCA	Complies
DSL	Complies
EINECS	Complies
IECSC	Complies
PICCS	Complies
AICS	Complies

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Hydrogen peroxide	X	X	X	X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Hydrogen peroxide		1000 lb	

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

"X" designates that the ingredients are listed on the state right to know list.

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Propylene glycol	X	-	X	-	X
Hydrogen peroxide	X	X	X		X

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

NFPA

HMIS

Health Hazard 2

Health Hazard 2

Flammability 0

Flammability 0

Instability 0

Physical Hazard 0

Physical and Chemical Hazards -

Personal Protection X

Prepared By

Product Stewardship
23 British American Blvd.
Latham, NY 12110
1-800-572-6501

Revision Date

01-Nov-2013

Revision Note

No information available.

General Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

End of Safety Data Sheet