

REVISION DATE: 1/1/2021

I PRODUCT AND COMPANY IDENTIFICATION

GHS PRODUCT IDENTIFIER:

TRADE NAME; ENZYMATIC ODOR NEUTRALIZER

OTHER MEANS OF IDENTIFICATION:

RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE:

RECOMMENDED USE: ODOR NEUTRALIZATION

MANUFACTURED FOR:



BIOESQUE SOLUTIONS
150 EAST PALMETTO PARK ROAD
SUITE 110
BOCA RATON, FLORIDA 33432
(800) 921-4634

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24 Hour Emergency telephone number :

INFOTRAC (800)535-5053

II HAZARD IDENTIFICATION

GHS CLASSIFICATION:

GHS CLASSIFICATION SCALE: (1=SEVERE HAZARD, 4=SLIGHT HAZARD)

PHYSICAL HAZARDS:

Not classified in GHS

HEALTH HAZARDS:

Not Classified as hazardous

LABEL ELEMENTS:

SIGNAL WORD: Not Classified

HAZARD STATEMENTS:

Not Classified as hazardous

HAZARD SYMBOLS:

None required by GHS

PRECAUTIONARY STATEMENTS:

No special directive listed in GHS

PRECAUTIONARY STATEMENTS (RESPONSE):

No special directive listed in GHS

PRECAUTIONARY STATEMENTS (STORAGE):

No special precautions listed in GHS

PRECAUTIONARY STATEMENTS (DISPOSAL):

No special directive in GHS

OTHER HAZARDS:

None known.

III PHYSICAL / CHEMICAL CHARACTERISTICS

INGREDIENT IDENTITY	CAS NUMBER	PERCENTAGE
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Propylene Glycol, USP	57-55-6	0-4
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Dipropyleneglycol monomethyl ether	34590-94-8	0-3
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REMAINING INGREDIENTS ARE NOT REPORTABLE UNDER OSHA/SDS GUIDELINES. THE EXACT PERCENTAGES OF SOME INGREDIENTS HAVE BEEN WITHHELD AS (CBI) CONFIDENTIAL BUSINESS INFORMATION TRADE SECRET.

IV FIRST AID MEASURES

INGESTION: If swallowed, drink copious amounts of water to dilute. Do not induce vomiting unless told to do so by doctor or physician. Seek medical advice/attention. If spontaneous vomiting occurs, keep head below hips to prevent aspiration of liquid into the lung. Never give anything by mouth to an unconscious person.

SKIN CONTACT: No irritation expected. If irritation occurs wash area with soap and water.

INHALATION: No inhalation hazards expected; however if inhalation hazards are experienced, move individual away from exposure and into fresh air. If breathing is irregular or stopped, administer artificial respiration. In case of shortness of breath, give oxygen. Call a physician if you feel unwell.

EYE CONTACT: No irritation expected; however if irritation is experienced, rinse cautiously with water for several minutes. Remove contact lenses if easy to do. Continue rinsing. If irritation persists get medical attention/advice.

Most Important Symptoms and Effects, Acute and Delayed

INGESTION: Symptoms may include diarrhea, gastric pain, and vomiting.

SKIN CONTACT: Not expected; however, symptoms may include redness and skin irritation.

INHALATION: Not expected; however, symptoms may include irritation of respiratory tract

EYE CONTACT: Not expected; however, symptoms may include stinging, tearing, redness and blurred vision.

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

Treat Symptomatically

V FIRE FIGHTING MEASURES

Suitable extinguishing media: Use methods suitable for surrounding fire

Unsuitable extinguishing media- Not flammable.

Specific hazards arising from the chemical: No further relevant information available.

Hazardous thermal decomposition products: carbon monoxide and CO₂

Special protective actions for fire-fighters: Keep product containers and surrounding areas cool with water spray. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters: Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

VI ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures:**

For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Spilled material will be slippery!! Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders: If specialized clothing is required to deal with the spillage, take note of information in section 8 for further information. See also information in non-emergency personnel above.

Environmental precautions: Avoid dispersal of spilled material with waterways, drains and sewers. See section 12 for additional ecological information.

Methods and materials for containment and cleaning up.

Small spill: Stop leak if without risk. Move containers from the spill area. Absorb with an inert dry material such as diatomaceous earth or vermiculite and place in an appropriate waste disposal container. Mop any remaining residues with soap and water and dispose of wastes via a licensed waste disposal contractor according to federal, state and local regulations.

Large spill: Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, drains, water courses and confined areas. Wash spillages into an effluent treatment plant or absorb with an inert dry material such as diatomaceous earth or vermiculite and place in a appropriate waste disposal containers. Mop any remaining residues with soap and water and dispose of wastes via a licensed waste disposal contractor according to federal, state and local regulations.

VII HANDLING AND STORAGE**Precautions for Safe Handling:**

Safe Handling Advice: Avoid breathing vapor or mists. . Keep tightly closed when not in use

Advice on general occupational hygiene: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also section 8 for additional hygiene information.

Conditions for safe storage including any incompatibilities:

Store in a dry, well ventilated area away from strong oxidizing agents (see section 10) and food and drink. Keep container tightly closed when not in use. Do not store in unlabeled containers. Keep away from children.

VIII EXPOSURE CONTROLS/PERSONAL PROTECTION**Control Parameters****Occupational Exposure Limits**

<u>Ingredient Identity</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>NIOSH</u>	<u>WEEL</u>	<u>FORM</u>
Propylene Glycol, USP 57-55-6				10 mg/m ³ TWA,	breathable aerosol
Dipropylene Glycol 34590-94-8				600 mg/m ³	100 ppm SKIN
monomethyl ether	TWA100 ppm SKIN				
	TWA150 ppm SKIN				

Appropriate Engineering Controls

Engineering Controls: Use with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants and maintain air concentrations below occupational exposure standards.

Individual protection measures, such as personal protective equipment. (PPE)

Eye/Face Protection: Wear appropriate safety goggles

Skin & Body Protection: Wear chemical resistant, impervious gloves at all times when handling chemical products. Check during use that gloves are still retaining their impervious properties, as the time for breakthrough can change from different manufacturers and chemical mixtures cannot always be accurately measured. Appropriate footwear and suitable protective clothing should be worn for the degree and risk of exposure.

Respiratory Protection: If workplace exposure limits of product or any component is exceeded, utilize proper respiratory protection program guidelines (see OSHA 1910.134 and American National Standard ANSI Z88.2) Use a properly fitted, NIOSH/MSHA air-purifying or air-fed respirator in compliance with the above mentioned standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

IX PHYSICAL AND CHEMICAL PROPERTIES

Appearance: opaque liquid

Odor: none

Odor threshold: not available

pH: (7-8)

Melting Point/Freezing Point: Not Determined

Initial Boiling Point/Range: Not Determined

Flash Pt: Not Applicable

Evaporation Rate: Not Determined (butyl acetate=1)

Lower explosive limits: Not Applicable

Upper explosive limits: Not Applicable

Vapor Pressure: Not Determined

Vapor Density: Not Determined (air=1)

Relative Density: 1.01

Solubility in water: Soluble

Partition coefficient: not applicable

Auto ignition temp: not applicable

Decomposition Temp: not available

Viscosity: pourable

X STABILITY AND REACTIVITY

Reactivity: Stable in normal ambient temperature and pressure

Chemical Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: not under normal conditions of storage and use

Conditions to Avoid: Do not freeze

Incompatible Materials: Oxidizing materials

Hazardous Decomposition Products: Carbon monoxide and Carbon Dioxide

XI TOXICOLOGICAL INFORMATION

Acute toxicity: Not classified,

Skin corrosion irritation: Not classified

Serious Eye damage: Not classified

Sensitization: Not classified

Mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive Toxicity: Not Classified

Teratogenicity: Not Classified

Specific target Organ Toxicity (single exposure):

Not classified

Specific target Organ Toxicity (repeated exposure)

Not Classified

Aspiration Hazard: Not classified

Information on the likely routes of exposure:

Ingestion: Not expected; however, may be cause irritation if swallowed

Inhalation: Not expected; however avoid breathing mists or sprays.

Skin: Not expected; mild irritation could be experienced with prolonged contact

Eye: Not expected, however, could cause eye irritation

Symptoms related to the physical, chemical and toxicological characteristics

Ingestion: See section iv, most important symptoms and effects, acute and delayed.

Inhalation: See section iv, most important symptoms and effects, acute and delayed.

Skin: See section iv, most important symptoms and effects, acute and delayed.

Eye: See section iv, most important symptoms and effects, acute and delayed.

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

General: None known

Carcinogenicity: no known significant effects or critical hazards. Not classifiable.

Numerical measures of Toxicity

Not Available

XII ECOLOGICAL INFORMATION**Toxicity:**

<u>Ingredient name</u>	<u>Result</u>	<u>Species</u>	<u>Exposure</u>
No further information			

Persistence and degradability:

Product expected to be readily biodegradable.

Bioaccumulation Potential:

No data.

Mobility in Soil:

No data.

Other adverse Effects:

No further information.

XIII DISPOSAL CONSIDERATIONS

Dispose in accordance with applicable federal, state and local regulations.

XIV TRANSPORT INFORMATION

DOT: NOT REGULATED
IATA: NOT REGULATED
IMDG: NOT REGULATED

XV REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: All ingredients are listed or exempted with TSCA.

SARA 302/304: No products were found.

SARA 311/312: No products were found

SARA 313: No products found

STATE REGULATIONS:

Ingredient	New York	New Jersey	Massachusetts	Pennsylvania
Dipropylene glycol monomethyl ether		yes	yes	yes

California Prop 65: none known to meet requirements.

XVI OTHER INFORMATION

HMIS/NFPA RATING: HEALTH (1) FIRE (0) REACTIVITY (0)
4=EXTREME, 3=HIGH, 2=MODERATE, 1=SLIGHT, 0=INSIGNIFICANT

NOTICE TO READER:

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