



SAFETY DATA SHEET

Revision date: 03/22/2017

Revision number: 0

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

Product identifier

Product Name The Ultimate Liquid Organic Waste Bin Odor Eliminator
Product Code 7039911/GE-OEG-1L/GE-OEG-500

Recommended use of the chemical and restrictions on use

Recommended Use Organic Waste Odor Control.
Uses advised against Please refer to Product Data Sheet

Details of the supplier of the Safety Data Sheet

Contact Manufacturer Novozymes Biologicals Inc.
5400 Corporate Circle
Salem, VA, USA 24153

Contact Distributor Mill Chem Manufacturing Inc.
650 Basset Drive
Thomasville, NC 27360 USA

Information Telephone Number 1-(866)-216-1162, 8am - 4:30pm ESTM-F

Emergency Telephone Number 1--800-424-9300 (Chemtrec) 24 hours Code EMTE

2. HAZARDS IDENTIFICATION

Classification

Classification of the product is in accordance with 29CFR 1910.1200

Label elements

Emergency Overview

Warning

Hazard statements

May be harmful if swallowed
 May be harmful in contact with skin
 Causes eye irritation

Appearance Opaque

Physical State Liquid

Odor Perfumed

Precautionary Statements - Prevention

Precautionary Statements - Response

Eyes	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Skin	IF ON SKIN: Wash with plenty of soap and water
Inhalation	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
Ingestion	IF SWALLOWED: Rinse mouth. DO NOT induce vomiting

Precautionary Statements - Storage

Store in a well-ventilated place
 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

Precautionary Statements - Disposal

Dispose of unused product and container in accordance with all applicable local and regional requirements

Hazards not otherwise classified (HNOC)

Not Applicable

Other Information

Health Hazard	1
Fire Hazard	1
Reactivity	0

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Water	7732-18-5	90-95%
Sodium Xylenesulphonate(SXS)	1300-72-7	1-5%
Viable Bacteria Cultures	Not Applicable	1-5%
Citric acid	77-92-9	< 1.0%
Zinc Salt Emulsification	13040-19-2	< 0.5%
Ethoxylated alcohols	68439-50-9	< 0.5%
Sodium Nitrate	7631-99-4	< 0.5%
Herbal Fragrance	Proprietary	< 0.5%
Disodium Laureth sulfosuccinate	39354-45-5	< 0.5%
Cocamidopropylamine Oxide	68155-09-9	< 0.5%
2-bromo-2-nitro-1,3-propanediol	52-51-7	< 0.05%
1,2-Benzisothiazole-3-(2H)-one	2634-33-5	< 0.05%
Sodium hydroxide	1310-73-2	< 0.05%
5-chloro-2-methyl-4-isothiazolin-3-one	26172-55-4	< 0.05%
2-Methyl-4-isothiazolin-3-one	2682-20-4	< 0.05%

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

4. FIRST AID MEASURES

First aid measures

General Advice

If symptoms persist, call a physician.

Eye Contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Skin Contact

Wash off immediately with soap and plenty of water

Inhalation

Move to fresh air

Ingestion

Clean mouth with water and afterwards drink plenty of water

Most important symptoms and effects, both acute and delayed

Main Symptoms

No information available

Indication of any immediate medical attention and special treatment needed

Notes to Physician

Treat symptomatically

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Specific Hazards Arising from the Chemical

May cause allergic respiratory reaction. No information available.

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

Environmental precautions

Environmental Precautions Spilled preparation should be removed immediately to avoid formation of dust from dried preparation. Take up by mechanical means preferably by a vacuum cleaner equipped with a high efficiency filter. Flush remainder carefully with plenty of water. Avoid splashing and high pressure washing (avoid formation of aerosols). Ensure sufficient ventilation. Wash contaminated clothing.

Methods and material for containment and cleaning up

Methods for Clean-up Pick up and transfer to properly labelled containers

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Avoid formation of aerosols and dust from drying out of spilled preparation. Avoid splashing and high pressure washing. Ensure good ventilation of the room, when handling this preparation. Store container in a cool place..

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place

Packaging Material There could be many packaging types for the product. The details are given in other Novozymes documents

Incompatible Materials Strong acids or alkali compounds and strong oxidizing agents may inactivate biological cultures

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Water 7732-18-5		-	-
Sodium Xylenesulphonate(SXS) 1300-72-7	-	-	-
Viable Bacteria Cultures Not Applicable	-	-	-
Citric acid 77-92-9	-	-	-
Zinc Salt Emulsification 13040-19-2	-	-	-
Ethoxylated alcohols 68439-50-9	-	-	-
Sodium Nitrate 7631-99-4	-	-	-
Herbal Fragrance Proprietary	-	-	-
Disodium Laureth sulfosuccinate 39354-45-5	-	-	-
Cocamidopropylamine Oxide 68155-09-9	-	-	-

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
2-bromo-2-nitro-1,3-propanediol 52-51-7	-	-	-
1,2-Benzisothiazole-3-(2H)-one 2634-33-5	-	-	-
Sodium hydroxide 1310-73-2	Ceiling: 2 mg/m ³ Ceiling	TWA: 2 mg/m ³	10 mg/m ³
5-chloro-2-methyl-4-isothiazolin-3-one 26172-55-4	-	-	-
2-Methyl-4-isothiazolin-3-one 2682-20-4	-	-	-

IDLH: Immediately Dangerous to Life or Health

Appropriate engineering controls

Individual protection measures, such as personal protective equipment

Eye Protection Avoid contact with eyes

Skin and body protection No special technical protective measures are necessary

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practices

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid
Appearance	Opaque
Odor	Perfumed
Odor Threshold	No information available

<u>Property</u>	<u>Values</u>
pH	6.5 - 7.2
Melting/freezing point	No information available
Evaporation rate VALUE	No information available
Flammability (solid, gas)	No information available
Burning rate 100mm VALUE	No information available
Vapor Pressure	No information available
Vapor Density	No information available
Specific Gravity	No information available
Water Solubility	No information available
Solubility in other solvents	No information available
Partition Coefficient (n-octanol/water)	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Viscosity of Product	No information available
Viscosity	No information available
Explosive Properties	No information available
Oxidizing Properties	No information available

Other Information

Softening Point	No information available
VOC Content	No information available
Density	No information 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

Extremes of temperature and direct sunlight. Stable under normal conditions. Excessive temperature variations below 32F or above 155F.

Incompatible materials

Strong acids or alkali compounds and strong oxidizing agents may inactivate biological cultures

Hazardous Decomposition Products

No information available.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation	There is no data available for this product
Eye contact	Contact with eyes may cause irritation
Skin contact	Prolonged or repeated contact may dry skin and cause irritation. Non-irritating during normal use.
Ingestion	Ingestion may cause stomach discomfort.

Information on toxicological effects

Symptoms No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization	No information available
Mutagenic Effects	No information available
Reproductive Effects	No information available
Specific target organ systemic toxicity (single exposure)	No information available
Specific target organ systemic toxicity (repeated exposure)	No information available
Chronic Toxicity	No information available.
Aspiration hazard	No information available

12. ECOLOGICAL INFORMATION

Ecotoxicity

None known

Chemical Name	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Citric acid 77-92-9			EC50 = 14 mg/L 15 min	EC50 = 120 mg/L 72 h

Chemical Name	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
2-bromo-2-nitro-1,3-propanediol 52-51-7			EC50 = 0.41 mg/L 30 min EC50 = 0.50 mg/L 15 min EC50 = 0.91 mg/L 5 min	
5-chloro-2-methyl-4-isothiazolin-3-one 26172-55-4	EC50 0.03 - 0.13 mg/L 96 h EC50 0.11 - 0.16 mg/L 72 h EC50 = 0.31 mg/L 120 h		EC50 = 5.7 mg/L 16 h	EC50 0.12 - 0.3 mg/L 48 h EC50 0.71 - 0.99 mg/L 48 h EC50 = 4.71 mg/L 48 h

Persistence/Degradability

The organic components of the product are biodegradable.

Bioaccumulation/ Accumulation

No information available

Chemical Name	log Pow
Citric acid 77-92-9	-1.72
Sodium Nitrate 7631-99-4	-38
1,2-Benzisothiazole-3-(2H)-one 2634-33-5	13
5-chloro-2-methyl-4-isothiazolin-3-one 26172-55-4	75

Other adverse effects

No known effect

13. DISPOSAL CONSIDERATIONS**Waste treatment methods****Waste Disposal Method**

Dispose of contents/container in accordance with local regulation.

Contaminated Packaging

Dispose of wastes in an approved waste disposal facility.

14. TRANSPORT INFORMATION

DOT Not regulated

TDG Not regulated

MEX Not regulated

ICAO Not regulated

IATA Not regulated

IMDG/IMO Not regulated

RID Not regulated

ADR Not regulated

14. TRANSPORT INFORMATION

ADN Not regulated

15. REGULATORY INFORMATION**International Inventories****Legend:***TSCA - United States Toxic Substances Control Act Section 8(b) Inventory**DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List***Federal Regulations****SARA 313**

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 40 CFR Part 372.

SARA 311/312 Hazardous**Categorization**

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

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

Chemical Name	RQ	CERCLA/SARA RQ	RQ
Sodium hydroxide 1310-73-2	\$1000 \$454		\$RQ= 1000 lb final RQ \$RQ= 454 kg final RQ

State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals

State Right-to-Know

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Hydrogen Peroxide 7722-84-1	X	X	X
Sodium Hydroxide 1310-73-2	X	X	X

U.S. EPA Label Information

EPA Pesticide Registration Number Not Applicable

Canada

WHMIS Statement

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

WHMIS Hazard Class

D2B Toxic materials

16. OTHER INFORMATION**Revision date:**

03/22/2017

Revision Summary

No information available

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. Furthermore, as the conditions of use are beyond the control of Novozymes, it is the responsibility of the customer to determine the conditions of safe use of this preparation.

End of SDS