SAFETY DATA SHEETS

This SDS packet was issued with item: 073711710

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

073710373 073710381



1. Product and Company Identification **Enzymax Liquid Product Name** CAS # Mixture **Product Use** Cleaner Manufacturer Hu-Friedy Mfg. Co., LLC 3232 N. Rockwell Chicago, IL 60618-5982 US Phone: 773.975.6100 Fax: 773.868.3599 Emergency Phone: 1-800-535-5053 Outside US: 001-352-323-3500 LEGEND Health 1 HMIS/NFPA 0 Flammability 4 Severe 3 Serious **Physical Hazard** 0 Moderate 2 Slight 1 Personal Protection Х Minimal 0 2. Hazards Identification **Emergency Overview** WARNING MAY CAUSE EYE IRRITATION. MAY CAUSE SKIN IRRITATION. MAY CAUSE ALLERGIC RESPIRATORY REACTION. Contains a potential reproductive toxin. Potential short term health effects Routes of exposure Eye, Skin contact, Inhalation, Ingestion. Eyes May cause irritation. Skin May cause irritation. Inhalation May cause respiratory tract irritation. Ingestion May cause stomach distress, nausea or vomiting. Eyes. Respiratory system. Skin. **Target organs** Prolonged or repeated exposure can cause drying, defatting and dermatitis. **Chronic effects** Symptoms may include redness, oedema, drying, defatting and cracking of the skin. Signs and symptoms Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. See section 12. Potential environmental effects

3. Composition/Information on Ingredients

Ingredient(s)	CAS #	Percent
Potassium hydroxide	1310-58-3	0.1 - 1
A-Amylase (EC# 3.2.1.1)	9000-90-2	0.1 - 1
Subtilisin protease enzyme	9014-01-1	1 - 5
Sodium borate	1330-43-4	1 - 5
BetaAlanine, N-(2-carboxyethyl)-N-(2-ethylhexyl)-, monosodium salt	94441-92-6	1 - 5
Disodium capryloamphodipropionate	68815-55-4	5 - 10
1,2-Propylene glycol	57-55-6	5 - 10

4. First Aid Measures		
First aid procedures		
Eye contact	Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.	
Skin contact	Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.	
Inhalation	If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.	
Ingestion	Do not induce vomiting. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention.	
Notes to physician	Symptoms may be delayed.	
General advice	If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.	

5. Fire-fighting Measures

Flammable properties	Not flammable by WHMIS criteria.
Extinguishing media	
Suitable extinguishing media	Treat for surrounding material.
Unsuitable extinguishing media	Not available
Protection of firefighters	
Specific hazards arising from the chemical	Not available
Protective equipment for firefighers	Firefighters should wear full protective clothing including self contained breathing apparatus.
Hazardous combustion products	May include and are not limited to: Oxides of carbon. Oxides of nitrogen.
Explosion data	
Sensitivity to mechanical impact	Not available
Sensitivity to static discharge	Not available

6. Accidental Release Measures

Personal precautions	Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.
Environmental precautions	Do not discharge into lakes, streams, ponds or public waters.
Methods for containment	Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.
Methods for cleaning up	Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills in original containers for re-use.

7. Handling and Storage

Avoid breathing vapours or mists of this product.

Use only with adequate ventilation. Avoid contact with eyes and skin. Wash thoroughly after handling. Keep out of reach of children.

Use good industrial hygiene practices in handling this material.

Store in a closed container away from incompatible materials.

Handling

Storage

8. Exposure Controls / Personal Protection

Exposure limit values		
Ingredient(s)		Exposure limit values
1,2-Propylene glycol		ACGIH-TLV
		Not established
A-Amylase (EC# 3.2.1.1)		ACGIH-TLV
		Not established
BetaAlanine, N-(2-carboxyethyl)-N-(2-	ethylhexyl)-,	ACGIH-TLV
monosodium salt		Not established
Disodium capryloamphodipropionate		ACGIH-TLV
		Not established
Potassium hydroxide		ACGIH-TLV
		Ceiling: 2 mg/m3
Sodium borate		ACGIH-TLV
		TWA: 2 mg/m3
		STEL: 6 mg/m3
Subtilisin protease enzyme		ACGIH-TLV
		Ceiling: 0.0001 mg/m3
Engineering controls	General ventilation ne	ormally adequate.
Personal protective equipment		
Eye/Face protection	Wear safety glasses with side shields.	
Hand protection	Rubber gloves. Confirm with a reputable supplier first.	
Skin and body protection	As required by employer code.	
Respiratory protection	Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.	
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Wash hands before breaks and immediately after handling the product.	

9. Physical and Chemical Properties

Appearance	Liquid
Colour	purple
Form	Liquid
Odour	Citrus / Spearmint
Odour threshold	Not available
Physical state	Liquid
рН	7.5 - 9
Freezing point	Not available
Boiling point	104.444 °C (219.99 °F)
Pour point	Not available
Evaporation Rate	Not available
Flash point	> 93.3 °C (> 199.94 °F)
Auto-ignition temperature	Not available
Flammability limits in air, lower, % by volume	Not available
Flammability Limits in Air, Upper, % by Volume	Not available
Vapour pressure	Not available
Vapour density	Not available
Specific gravity	1.106 - 1.118

Octanol/water coefficientNot availableSolubility (H2O)Not availableVOC (Weight %)Not availableViscosityNot availablePercent volatileNot available

10. Stability and Reactivity

Reactivity	None known.
Possibility of hazardous reactions	Hazardous polymerisation does not occur.
Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Do not mix with other chemicals.
Incompatible materials	Acids. Oxidizers.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon. Oxides of nitrogen.

11. Toxicological Information

Component analysis - LC50	
Ingredient(s)	LC50
1,2-Propylene glycol	Not available
A-Amylase (EC# 3.2.1.1)	Not available
BetaAlanine, N-(2-carboxyethyl)-N-(2-ethylhe monosodium salt	exyl)-, Not available
Disodium capryloamphodipropionate	Not available
Potassium hydroxide	Not available
Sodium borate	Not available
Subtilisin protease enzyme	Not available
Component analysis - Oral LD50	
Ingredient(s)	LD50
1,2-Propylene glycol	14800 mg/kg rabbit; 20000 mg/kg rat
A-Amylase (EC# 3.2.1.1)	7500 mg/kg rat
BetaAlanine, N-(2-carboxyethyl)-N-(2-ethylhe monosodium salt	exyl)-, Not available
Disodium capryloamphodipropionate	> 5000 mg/kg mouse
Potassium hydroxide	214 mg/kg rat
Sodium borate	1060 mg/kg mouse; 2403 mg/kg rat
Subtilisin protease enzyme	2000 mg/kg rat
Effects of acute exposure	
Eye May c	ause irritation.
Skin May c	ause irritation.
Inhalation May c	ause respiratory tract irritation.
Ingestion May c	ause stomach distress, nausea or vomiting.
Sensitisation May c	ause sensitisation by inhalation.
Chronic effects Non-h	azardous by WHMIS criteria.
Carcinogenicity Non-h	azardous by WHMIS criteria.
ACGIH - Threshold Limit Values - Carcinogen	IS
Sodium borate 1330-43-4	A4 - Not Classifiable as a Human Carcinogen (listed under Borate compounds, inorganic)
Mutagenicity Non-h	azardous by WHMIS criteria.
Reproductive effects Conta	ins a potential reproductive toxin.
Teratogenicity Non-h	azardous by WHMIS criteria.

12. Ecological Information

Ecotoxicity	Components of this product have been identified as having potential environmenta concerns.	al
Ecotoxicity - Freshwater Algae	- Acute Toxicity Data	
Sodium borate	1330-43-4 96 Hr EC50 Desmodesmus subspicatus: 158 mg/L; 96 Hr EC50 Pseudokirchner subcapitata: 2.6 - 21.8 mg/L [static]	iella
Ecotoxicity - Freshwater Fish -	Acute Toxicity Data	
Potassium hydroxide Sodium borate	1310-58-3 96 Hr LC50 Gambusia affinis: 80 mg/L [static] 1330-43-4 96 Hr LC50 Limanda limanda: 340 mg/L	
Ecotoxicity - Water Flea - Acut	5	
Sodium borate	1330-43-4 48 Hr LC50 Daphnia magna: 1085 - 1402 mg/L	
Persistence and degradability	Not available	
Bioaccumulation/accumulation	n Not available	
Mobility in environmental med	lia Not available	
Environmental effects	Not available	
Aquatic toxicity	Not available	
Partition coefficient	Not available	
Chemical fate information	Not available	
Other adverse effects	Not available	
	13. Disposal Considerations	
Disposal instructions	Review federal, provincial, and local government requirements prior to disposal.	
Waste from residues / unused products	Not available	
•		
Contaminated packaging	Not available	
Contaminated packaging	Not available 14. Transport Information	
Contaminated packaging Transportation of Dangerous (14. Transport Information	
	14. Transport Information Goods (TDG - Canada)	
Transportation of Dangerous (14. Transport Information Goods (TDG - Canada)	
Transportation of Dangerous (14. Transport Information Goods (TDG - Canada) goods.	trolled
Transportation of Dangerous (Not regulated as dangerous	14. Transport Information Goods (TDG - Canada) goods. 15. Regulatory Information This product has been classified in accordance with the hazard criteria of the Con Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.	trolled
Transportation of Dangerous (Not regulated as dangerous Canadian federal regulations Canada - WHMIS - Ingredient D Potassium hydroxide	14. Transport Information Soods (TDG - Canada) goods. 15. Regulatory Information This product has been classified in accordance with the hazard criteria of the Con Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. Disclosure List 1310-58-3 1 %	trolled
Transportation of Dangerous O Not regulated as dangerous Canadian federal regulations Canada - WHMIS - Ingredient D Potassium hydroxide Sodium borate	14. Transport Information Goods (TDG - Canada) goods. 15. Regulatory Information This product has been classified in accordance with the hazard criteria of the Con Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. Disclosure List 1310-58-3 1 % 1330-43-4	trolled
Transportation of Dangerous C Not regulated as dangerous Canadian federal regulations Canada - WHMIS - Ingredient D Potassium hydroxide Sodium borate WHMIS classification	14. Transport Information Goods (TDG - Canada) goods. 15. Regulatory Information This product has been classified in accordance with the hazard criteria of the Con Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. Disclosure List 1310-58-3 1 % 1330-43-4 1 % Class D - Division 2A, 2B	trolled
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Transportation of Dangerous O Not regulated as dangerous Canadian federal regulations Canada - WHMIS - Ingredient D Potassium hydroxide Sodium borate WHMIS classification WHMIS status WHMIS labeling	14. Transport Information Goods (TDG - Canada) goods. 15. Regulatory Information This product has been classified in accordance with the hazard criteria of the Con Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. Disclosure List 1310-58-3 1 % 1330-43-4 1 % Class D - Division 2A, 2B	trollec
Transportation of Dangerous O Not regulated as dangerous Canadian federal regulations Canada - WHMIS - Ingredient D Potassium hydroxide Sodium borate WHMIS classification WHMIS status	14. Transport Information Goods (TDG - Canada) goods. 15. Regulatory Information This product has been classified in accordance with the hazard criteria of the Con Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. Disclosure List 1310-58-3 1 % 1330-43-4 1 % Class D - Division 2A, 2B	
Transportation of Dangerous C Not regulated as dangerous Canadian federal regulations Canada - WHMIS - Ingredient D Potassium hydroxide Sodium borate WHMIS classification WHMIS status WHMIS labeling Inventory Status	14. Transport Information Goods (TDG - Canada) goods. 15. Regulatory Information This product has been classified in accordance with the hazard criteria of the Con Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. Disclosure List 1310-58-3 1 % 1310-58-3 1 % Class D - Division 2A, 2B Controlled Controlled	es/No
Transportation of Dangerous C Not regulated as dangerous Canadian federal regulations Canada - WHMIS - Ingredient D Potassium hydroxide Sodium borate WHMIS classification WHMIS status WHMIS labeling MHMIS labeling Inventory Status Country(s) or region	14. Transport Information Goods (TDG - Canada) goods. Discussion of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. Disclosure List 1310-58-3 1 % 1330-43-4 1 % Class D - Division 2A, 2B Controlled	

16. Other Information

Disclaimer	Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.
Issue date	29-Apr-2013
Effective Date	31-Jul-2013
Expiry Date	31-Jul-2016
Prepared by	Dell Tech Laboratories Ltd. (519) 858-5021
Other Information	For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.



Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

How the best perform

Date of issue: 12/07/2016

Revision date: 12/07/2016 Version: 1.0

SECTION 1: Identification 1.1 Identification Product name : Enzymax Liquid Product code : IMS-1224, IMS-1224C, IMS-1226 Relevant identified uses of the substance or mixture and uses advised against 1.2. Use of the substance/mixture : Concentrated Ultrasonic Detergent & Presoak Details of the supplier of the safety data sheet 1.3. Made in the USA for: Distributor Hu-Friedy Mfg. Co., LLC Acmedent Corp. 3232 N. Rockwell Street | Chicago, IL 60618 | USA 91 Citation Dr, Unit 5, Concord L4K 2Y8 1-800-Hu-Friedy or 1-773-975-6100 905-761-6850 Central Dental Supply 103-251 Saulteaux Crescent, Winnipeg R3J 3C7 204-885-7530 Henry Schein Canada. Inc. 345 Townline Road, SS4, Niagara-On-The-Lake L0S 1J0 905-646-1711 K-Dental Inc. 750 Cochrane Drive, Markham L3R 8E1 416-293-8365 Patterson Dentaire Canada 1205, Boul.henri-Bourassa West, Montreal H3M 3E6 418-688-6546 Sinclair Dental Company Ltd. 900 Harbourside Drive, North Vancouver V7P 3T8 604-986-1544 **Emergency telephone number** 1.4. : 1-800-535-5053 Emergency number **SECTION 2: Hazards identification Classification of the substance or mixture** 2.1. **GHS** classification Resp. Sens. 1 Label elements 2.2. **GHS** labelling Hazard pictograms (GHS) GHS08 Signal word (GHS) : Danger Hazard statements (GHS) : May cause allergy or asthma symptoms or breathing difficulties if inhaled Precautionary statements (GHS) : Avoid breathing dust/fume/gas/mist/vapours/spray. Wear respiratory protection. If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center/doctor. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation 2.3. **Other hazards** No additional information available 2.4. Unknown acute toxicity Not applicable

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

SECTION 3: Com	position/informati	on on ingredients

3.1. Substance Not applicable

3.2. **Mixtures**

Name	Product identifier	%
Glycerin	(CAS No) 56-81-5	8
Subtilisins (proteolytic enzymes)	(CAS No) 9014-01-1	0.43

SECTION 4. First sid messures	
SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures after inhalation :	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
First-aid measures after skin contact :	In case of contact, immediately flush skin with plenty of water. Call a physician if irritation develops and persists.
First-aid measures after eye contact :	In case of contact, immediately flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention.
First-aid measures after ingestion :	If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.
4.2. Most important symptoms and effects	, both acute and delayed
Symptoms/injuries after inhalation :	May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory tract irritation.
Symptoms/injuries after skin contact :	May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
Symptoms/injuries after eye contact :	May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
Symptoms/injuries after ingestion :	May be harmful if swallowed. May cause stomach distress, nausea or vomiting.
4.3. Indication of any immediate medical a	ttention and special treatment needed
Symptoms may not appear immediately. In case of possible).	accident or if you feel unwell, seek medical advice immediately (show the label or SDS where
SECTION 5: Firefighting measures	

lent en interiginarig measur	
Extinguishing media	
e extinguishing media	: Treat for surrounding material.
ble extinguishing media	: None known.
Special hazards arising from the	ne substance or mixture
ard	: Products of combustion may include, and are not limited to: oxides of carbon.
ty	: No dangerous reaction known under conditions of normal use.
Advice for firefighters	
on during firefighting	: Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).
	Extinguishing media e extinguishing media ble extinguishing media Special hazards arising from the card ity

SECT	ION 6: Accidental release mea	sures
6.1.	Personal precautions, protective equipment and emergency procedures	
6.1.1. Protecti	For non-emergency personnel ve equipment	: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to
6.1.2. No addi	For emergency responders tional information available	unnecessary and unprotected personnel.
6.2.	Environmental precautions	

No additional information available

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

6.3.	Methods and material for containmen	t and cleaning up
For cont	tainment	: Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).
Methods	s for cleaning up	: Scoop up material and place in a disposal container. Provide ventilation.
6.4.	Reference to other sections	
For furth	ner information refer to section 8: "Exposur	e controls/personal protection"
SECT	ION 7: Handling and storage	
7.1.	Precautions for safe handling	
Precaut	ions for safe handling	: Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. Do not swallow. Handle and open container with care. Use only in well-ventilated areas. When using do not eat, drink or smoke.
7.2.	Conditions for safe storage, including any incompatibilities	
Storage	conditions	: Keep out of the reach of children. Keep container tightly closed.
SECT	ION 8: Exposure controls/perso	nal protection
8.1.	Control parameters	
Glyce	rin (56-81-5)	

OSHA	OSHA PEL (TWA) (mg/m³)	15 mg/m ³ (mist, total particulate) 5 mg/m ³ (mist, respirable fraction)
Subtilisins (proteolytic enzymes) (9014-01-1)		
ACGIH	ACGIH Ceiling (mg/m ³)	0.00006 mg/m ³
NIOSH	NIOSH REL (STEL) (mg/m ³)	0.00006 mg/m ³

8.2. Exposure controls	
Appropriate engineering controls	: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.
Hand protection	: Wear chemically resistant protective gloves.
Eye protection	: Safety glasses or goggles are recommended when using product.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment. 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.
Environmental exposure controls	: Maintain levels below Community environmental protection thresholds.
Other information	 Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

SECTION 9: Physical and chemica	l properties
9.1. Information on basic physical and	chemical properties
Physical state	: Liquid
Appearance	: No data available
Colour	: Purple
Odour	: Lemon. Spearmint.
Odour threshold	: No data available
рН	: 8.5 - 9
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: Not flammable.
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

Relative density	: 1.11
Solubility	: No data available
Partition coefficient n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available

9.2. Other information

No additional information available	
SECTION 10: Stability and reactivity	
10.1. Reactivity	
No dangerous reaction known under conditions of	normal use.
10.2. Chemical stability	
Stable under normal storage conditions.	
10.3. Possibility of hazardous reactions	
No dangerous reaction known under conditions of	normal use.
10.4. Conditions to avoid	
Heat.	
10.5. Incompatible materials	
None known.	
10.6. Hazardous decomposition products	
May include, and are not limited to: oxides of carb	on.
SECTION 11: Toxicological information	on de la constante de la const
11.1. Information on toxicological effects	
	. Not alogation
	: Not classified. : Not classified.
Acute toxicity (dermal)	Not classified.
Acute toxicity (inhalation)	. Not classified.
Enzymax Liquid	
LD50 oral rat	> 2000 mg/kg (Calculated Acute Toxicity Estimate)
LD50 dermal rabbit	> 2000 mg/kg (Calculated Acute Toxicity Estimate)
LC50 inhalation rat	> 20 mg/l/4h (Calculated Acute Toxicity Estimate)
Glycerin (56-81-5)	
LD50 oral rat	12600 mg/kg
LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat	> 570 mg/m³ (Exposure time: 1 h)
Subtilisins (proteolytic enzymes) (9014-01-1)	
LD50 oral rat	3700 mg/kg
Skin corrosion/irritation	: Not classified.
Serious eye damage/irritation	: Not classified.
Respiratory or skin sensitization	: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Germ cell mutagenicity	: Not classified.
Carcinogenicity	: Not classified.
Reproductive toxicity	: Not classified.
STOT-single exposure	: Not classified.
STOT-repeated exposure	: Not classified.

Safety Data Sheet

OFOTION 40

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

Aspiration hazard	: Not classified.
Symptoms/injuries after inhalation	 May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory tract irritation.
Symptoms/injuries after skin contact	: May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
Symptoms/injuries after eye contact	: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
Symptoms/injuries after ingestion	: May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - general	: May cause long-term adverse effects in the aquatic environment.
Glycerin (56-81-5)	
LC50 fish 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
12.2. Persistence and degradability	
Enzymax Liquid	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential	
Enzymax Liquid	
Bioaccumulative potential	Not established.
Glycerin (56-81-5)	
BCF fish 1	(no bioaccumulation)
Partition coefficient n-octanol/water	-1.76

12.4. Mobility in soil

No additional information available

Effect on the global warming

: No known effects from this product.

SECTION 13: Disposal considerations

13.1.	Waste	treatment	t meth	ods

Product/Packaging disposal recommendations : This material must be disposed of in accordance with all local, state, provincial, and federal regulations. The generation of waste should be avoided or minimized wherever possible.

SECTION 14: Transport information

Department of Transportation (DOT) and Transportation of Dangerous Goods (TDG)

In accordance with DOT and TDG Not regulated

15.1. Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

All components of this product are listed, or excluded from listing, on the Canadian DSL (Domestic Substances List) and NDSL (Non-Domestic Substances List) inventories.

EPA TSCA Regulatory Flag XU - XU - indicates a substance exempt from reporting under the Inventory Update Reporting Rule, i.e, Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(C)).	Subtilisins (proteolytic enzymes) (9014-01-1)	
	EPA TSCA Regulatory Flag	

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

15.2. International regulations

No additional information available

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

Glycerin (56-81-5)

U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other informati	on		
Date of issue	: 12/07/2016		
Revision date	: 12/07/2016		
Other information	: None.		
Prepared by	: Nexreg Compliance Inc. www.Nexreg.com	N E X R E G	

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