



## Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and  
GHS HCS 2012

**Trade name: Bio-Active Plus No-Rinse Enzyme All-Purpose Cleaner**

### 1 Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name:** Bio-Active Plus No-Rinse Enzyme All-Purpose Cleaner ST-822
- **Article number:** GL63
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the preparation** Cleaner

**Product dilution information: For Mopping:** Mix the contents of one pack with 2 gallons (7.5 L) of water. Do not rinse.  
**For Spray Cleaning:** Mix each pack with 30 oz. (0.9 L) of water.  
**For Drain Maintenance:** Mix each pack with 2 quarts (2 L) of water. Add the proper dosage of ready-to-use solution.

- **1.3 Details of the supplier of the Safety Data Sheet**


- **Manufacturer/Supplier:**  
Stearns Packaging Corporation  
4200 Sycamore Avenue (53714)  
PO Box 3216  
Madison, WI 53704-0216  
Phone: 800-655-5008  
Fax: 1-608-246-5149  
Email: stearns@stearnspkg.com  
Website: www.stearnspkg.com

- **1.4 Emergency telephone number:**  
ChemTel Inc.  
(800)255-3924, +1 (813)248-0585


### 2 Hazards identification

- **2.1 Classification of the substance or mixture**

- **Classification according to Regulation (EC) No 1272/2008**

Product as SOLD	Product at USE DILUTION
 GHS07  Skin Irrit. 2    H315    Causes skin irritation. Eye Irrit. 2A    H319    Causes serious eye irritation.	Not classified.  Not classified. Not classified.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

 Xi; Irritant R36/38:            Irritating to eyes and skin.	Not classified.
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- **Information concerning particular hazards for human and environment:**

The product has to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.	The mixture does not meet the criteria for classification.
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- **Classification system:**

The classification is according to the latest editions of the EU-lists and extended by company and literature data.


The classification is in accordance with the latest editions of international substances lists and is supplemented (contd. on page 2) information from technical literature and by information provided by the company.

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• 2.2 Label elements	
Product as SOLD	Product at USE DILUTION
<b>• Labeling according to Regulation (EC) No 1272/2008</b>	
The product is classified and labeled according to the CLP regulation.	The mixture does not meet the criteria for classification.
<b>• Hazard pictograms</b>	
 GHS07	None
<b>• Signal word</b> Warning	None
<b>• Hazard statements</b>	
H315 Causes skin irritation. H319 Causes serious eye irritation.	Avoid contact with eyes.
<b>• Precautionary statements</b>	
<b>• Precautionary statements</b>	
P280 Wear protective gloves/eye protection. P264 Wash hands thoroughly after handling. P305+351+338+337+313 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. P302+352+362+332+313: IF ON SKIN: Rinse skin with plenty of water. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical advice/attention.	Wear protective eyewear if eye contact is possible.
<b>• Additional information:</b>	
Contains d-Limonene (citrus terpenes). May produce an allergic reaction.	

### 3 Composition/information on ingredients

#### • 3.2 Mixtures

• **Description:** Mixture of substances listed below with nonhazardous additions.

• Dangerous components:		
CAS: 68439-46-3 NLP: 500-446-0	alcohols, C9-11, ethoxylated  Xi R36/38  Skin Irrit. 2, H315; Eye Irrit. 2A, H319	<25%
CAS: 34590-94-8	(2-Methoxymethylethoxy) propanol Flam Liq. 4, H227 combustible liquid	<5%
CAS: 5324-84-5	1-Octanesulfonic acid, sodium salt	<3%

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### • Dangerous components:

CAS: 64-02-8 EINECS: 200-573-9 Index number: 607-428-00-2	tetrasodium ethylenediaminetetraacetate  Xn R22;  Xi R41 <hr style="border-top: 1px dashed black;"/>  Eye Dam. 1, H318  Acute Tox. 4, H302	<3%
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• **Additional information:** For the wording of the listed risk phrases refer to section 16.

## 4 First-aid measures

### • 4.1 Description of first aid measures

Product as SOLD	Product at USE DILUTION
<ul style="list-style-type: none"> <li>• <b>After inhalation:</b> Supply fresh air; consult doctor in case of complaints.</li> <li>• <b>After skin contact:</b> Wash with water and rinse thoroughly. If skin irritation continues consult a doctor.</li> <li>• <b>After eye contact:</b> Remove contact lenses if worn. Rinse opened eye for several minutes under running water. If symptoms persist consult a doctor.</li> <li>• <b>After swallowing:</b> Rinse out mouth and then drink plenty of water. Do not induce vomiting; call for medical help immediately.</li> </ul>	<p>No special measures required. Treat symptomatically.</p> <p>No known effect after skin contact. Rinse with water for a few minutes.</p> <p>No known effect after eye contact. Rinse with water for a few minutes. If irritation persists, get medical attention.</p> <p>Get medical attention if symptoms occur.</p>
<b>• 4.2 Most important symptoms and effects both acute and delayed</b> Gastric or intestinal disorders.	
<b>• Hazards</b> No further relevant information available.	No known effects.
<b>• 4.3 Indication of any immediate medical attention and special treatment needed</b>	
If necessary oxygen respiration treatment. Medical supervision for at least 48 hours.	Treat symptomatically.

## 5 Fire-fighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** None.
- **5.2 Special hazards arising from the substance or mixture**  
Formation of toxic gases is possible during heating or in case of fire.
- **5.3 Advice for firefighters**
- **Protective equipment:**  
Wear self-contained respiratory protective device.  
Wear fully protective suit.
- **Additional information** No further relevant information available.

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## 6 Accidental release measures

### • 6.1 Personal precautions, protective equipment and emergency procedures

Product as SOLD	Product at USE DILUTION
Wear protective equipment. Keep unprotected persons away. Use respiratory protective device against the effects of fumes/dust/aerosol. Ensure adequate ventilation	Use personal protective equipment as required.

### • 6.2 Environmental precautions:

Do not allow to enter sewers/ surface or ground water.	Avoid contact of large amounts of spilled material and run off with soil and surface waterways.
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### • 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Send for recovery or disposal in suitable receptacles. Ensure adequate ventilation.	Large Spills: Flush area with water. Prevent entry into waterways. Small Spills: Wipe up with absorbent material.
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### • 6.4 Reference to other sections

See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.	See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.
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## 7 Handling and storage

### • 7.1 Precautions for safe handling

Product as SOLD	Product at USE DILUTION
Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.	Wash hands thoroughly after handling.

### • Information about fire - and explosion protection:

Protect from heat.	No precautions necessary.
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### • 7.2 Conditions for safe storage, including any incompatibilities

#### • Storage:

#### • Requirements to be met by storerooms and receptacles:

Keep out of reach of children.	Keep out of reach of children.
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#### • Information about storage in one common storage facility:

Store away from oxidizing agents. Store away from foodstuffs.	Store away from oxidizing agents. Store away from foodstuffs.
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#### • Further information about storage conditions:

No storage precautions necessary.	No storage precautions necessary.
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### • 7.3 Specific end use(s)

No further relevant information available.
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### 8 Exposure controls/personal protection

• **Additional information about design of technical facilities:** No further data; see item 7.

**Product as SOLD**

**Product at USE DILUTION**

• **8.1 Control parameters**

• **Ingredients with limit values that require monitoring at the workplace:**

34590-94-8 (2-Methoxymethylethoxy) propanol	
PEL (USA)	Long-term value: 600 mg/m <sup>3</sup> , 100 ppm
TLV (USA)	Short-term value: 900 mg/m <sup>3</sup> , 150 ppm

Not applicable.

**Biological limit values**

No biological exposure limits noted for the ingredient(s).

**Exposure guidelines**

**US ACGIH Threshold Limit Values: Skin designation**

(2-Methoxymethylethoxy) propanol (CAS 34590-94-8) Can be absorbed through the skin.

**US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants**

DIPROPYLENE GLYCOL METHYL ETHER (CAS 34590-94-8) Can be absorbed through the skin.

**US. NIOSH: Pocket Guide to Chemical Hazards**

(2-Methoxymethylethoxy) propanol (CAS 34590-94-8) Can be absorbed through the skin.

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

(2-Methoxymethylethoxy) propanol (CAS 34590-94-8) Can be absorbed through the skin.

**US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A**

(2-Methoxymethylethoxy) propanol (CAS 34590-94-8) Can be absorbed through the skin.

**Appropriate engineering controls**

General ventilation normally adequate.

• **8.2 Exposure controls**

• **Personal protective equipment:**

• **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.

The usual precautionary measures are to be adhered to when handling chemicals.  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.

• **Respiratory protection:**

Not required under normal conditions of use.  
Use suitable respiratory protective device in case of insufficient ventilation.  
NIOSH approved organic vapor respirator equipped with a dust/mist prefilter should be used.



Not required under normal conditions of use.  
Use suitable respiratory protective device in case of insufficient ventilation.  
NIOSH approved organic vapor respirator equipped with a dust/mist prefilter should be used.

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Product as SOLD	Product at USE DILUTION
<b>• Protection of hands:</b>	
 Protective gloves The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.	No protective equipment is needed under normal conditions.
<b>• Material of gloves</b>	
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.	No protective equipment is needed under normal conditions.
<b>• Penetration time of glove material</b>	
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.	No protective equipment is needed under normal conditions.
<b>• For the permanent contact gloves made of the following materials are suitable:</b> Rubber gloves	
<b>• Eye protection:</b>	
 Safety glasses	No protective equipment is needed under normal conditions.
<b>• Body protection:</b>	
Not required under normal conditions of use. Protection may be required for spills.	No protective equipment is needed under normal conditions.
<b>• Limitation and supervision of exposure into the environment</b>	
No further relevant information available.	No further relevant information available.
<b>• Risk management measures</b>	
See Section 7 for additional information. No further relevant information available.	See Section 7 for additional information. No further relevant information available.

## 9 Physical and chemical properties

	Product as SOLD	Product at USE DILUTION
<b>• 9.1 Information on basic physical and chemical properties</b>		
<b>• General Information</b>		
<b>• Appearance:</b>		
<b>Form:</b>	Liquid	Liquid
<b>Color:</b>	Green	Light green or colorless.
<b>• Odor:</b>	Fresh scent	Faint fresh scent
<b>• Odor threshold:</b>	Not determined.	Not determined.

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	Product as SOLD	Product at USE DILUTION
• pH-value at 25 °C:	6.5-7.5	6.5-7.5
• Change in condition		
Melting point/Melting range:	Undetermined.	Undetermined.
Boiling point/Boiling range:	>212 °F / 100 °C	>212 °F / 100 °C
• Flash point:	Not available	Not available
• Flammability (solid, gaseous):	Not applicable.	Not applicable.
• Ignition temperature:	Not determined.	Not determined.
• Decomposition temperature:	Not determined.	Not determined.
• Self-igniting:	Product is not self-igniting.	Product is not self-igniting.
• Danger of explosion:	Product does not present an explosion hazard.	Product does not present an explosion hazard.
• Explosion limits:		
Lower:	Not determined.	Not determined.
Upper:	Not determined.	Not determined.
• Vapor pressure at 20 °C:	23 hPa	Not determined.
• Specific gravity:	1.02	Not determined.
• Relative density	Not determined.	Not determined.
• Vapor density	Not determined.	Not determined.
• Evaporation rate	< 1 (BuAc=1)	Not determined.
• Solubility in / Miscibility with water:	Fully miscible.	Complete
• Partition coefficient (n-octanol/water):	Not determined.	Not determined.
• Viscosity:	100 cP	Not determined.
• 9.2 Other information		
Bulk density	8.54 lb/gal	8.35 lb/gal

## 10 Stability and reactivity

### Product as SOLD

- **10.1 Reactivity** Not determined.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
Material is stable under normal conditions. No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions**  
Hazardous polymerization does not occur.
- **10.4 Conditions to avoid** Do not mix with other chemicals.
- **10.5 Incompatible materials:** Oxidizers. Reducing agents.
- **10.6 Hazardous decomposition products:**  
Oxides of nitrogen.  
Oxides of phosphorus.

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## 11 Toxicological information

### • 11.1 Information on toxicological effects

Product as SOLD	Product at USE DILUTION																																				
<ul style="list-style-type: none"> <li>• <b>Acute toxicity:</b> &gt;5,000 mg/kg</li> </ul>	Non-toxic at use-dilution.																																				
<ul style="list-style-type: none"> <li>• <b>LD/LC50 values relevant for classification:</b></li> </ul> <table border="1"> <thead> <tr> <th colspan="3">34590-94-8 (2-Methoxymethylethoxy) propanol</th> </tr> </thead> <tbody> <tr> <td>Dermal</td> <td>LD50</td> <td>10000 mg/kg (rabbit)</td> </tr> <tr> <td>Oral</td> <td>LD50</td> <td>5400 mg/kg (rat)</td> </tr> <tr> <th colspan="3">5324-84-5 1-Octanesulfonic acid, sodium salt</th> </tr> <tr> <td>Oral</td> <td>LD50</td> <td>5000 mg/kg (rat)</td> </tr> <tr> <th colspan="3">68439-46-3 Alcohols, C9-11, ethoxylated</th> </tr> <tr> <td>Dermal</td> <td>LD50</td> <td>2000 mg/kg (rabbit)</td> </tr> <tr> <td></td> <td></td> <td>2000 mg/kg (rat)</td> </tr> <tr> <td>Inhalation</td> <td>LD50</td> <td>5 mg/l/4h (rat)</td> </tr> <tr> <td>Oral</td> <td>LD50</td> <td>1200 mg/kg (rat)</td> </tr> <tr> <th colspan="3">64-02-8 Tetrasodium ethylenediamine tetraacetate</th> </tr> <tr> <td>Oral</td> <td>LD50</td> <td>2000 mg/kg (rat)</td> </tr> </tbody> </table>	34590-94-8 (2-Methoxymethylethoxy) propanol			Dermal	LD50	10000 mg/kg (rabbit)	Oral	LD50	5400 mg/kg (rat)	5324-84-5 1-Octanesulfonic acid, sodium salt			Oral	LD50	5000 mg/kg (rat)	68439-46-3 Alcohols, C9-11, ethoxylated			Dermal	LD50	2000 mg/kg (rabbit)			2000 mg/kg (rat)	Inhalation	LD50	5 mg/l/4h (rat)	Oral	LD50	1200 mg/kg (rat)	64-02-8 Tetrasodium ethylenediamine tetraacetate			Oral	LD50	2000 mg/kg (rat)	<ul style="list-style-type: none"> <li>• <b>LD/LC50 values relevant for classification:</b> No known significant effects or critical hazards.</li> </ul>
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<ul style="list-style-type: none"> <li>• <b>Primary irritant effect:</b></li> </ul> <ul style="list-style-type: none"> <li>• <b>on the skin:</b> Causes skin irritation.</li> <li>• <b>on the eye:</b> Causes serious eye damage. Direct contact with eyes may cause temporary irritation.</li> <li>• <b>Sensitization:</b> No sensitizing effects known.</li> </ul>	<ul style="list-style-type: none"> <li>No adverse effects due to skin contact are expected.</li> <li>Direct contact with eyes may cause temporary irritation.</li> </ul>																																				
<ul style="list-style-type: none"> <li>• <b>Additional toxicological information:</b></li> </ul> <p>The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:</p>																																					
<ul style="list-style-type: none"> <li>Irritant</li> <li>Prolonged inhalation may be harmful.</li> </ul>	<ul style="list-style-type: none"> <li>Not classified</li> <li>No known significant effects or critical hazards.</li> </ul>																																				

## 12 Ecological information

### • 12.1 Toxicity

#### • Aquatic toxicity:

Product as SOLD	Product at USE DILUTION																		
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Product as SOLD				Product at USE DILUTION
<b>Components</b>	<b>Species</b>	<b>Test Results</b>		No data available.
Tetrasodium ethylenediamine tetraacetate (CAS 64-02-8)				
Algae	LC50 Algae	1.01 mg/l, 72 Hours		
<b>Aquatic</b>				
Fish	LC50 Bluegill (Lepomis macrochirus)	472 - 500 mg/l, 96 hours		
* Estimates for product may be based on additional component data not shown.				

• **12.2 Persistence and degradability** No further relevant information available.

• **12.3 Bioaccumulative potential** No further relevant information available.

• **12.4 Mobility in soil** No further relevant information available.

• **Additional ecological information:**

• **General notes:**

This statement was deduced from the properties of the single components.  
 Due to available data on eliminability/decomposition and bioaccumulation potential a prolonged damage of the environment is unlikely.  
 Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
 Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

### 13 Disposal considerations

• **13.1 Waste treatment methods**

Product as SOLD	Product at USE DILUTION
<b>• Recommendation</b>	
Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local regulations.	Diluted product can be flushed to sanitary sewer. Discard empty container in trash.
<b>Hazardous waste code</b> The waste code should be assigned in discussion between the user, the producer and the waste disposal company.	
<b>Waste from residues / unused products</b> Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).	
<b>Contaminated packaging</b> Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.	

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### 14 Transport information

#### Product as SOLD

- |   |                                  |
|---|----------------------------------|
| • 14.1 UN-Number<br>• DOT, ADR, ADN, IMDG, IATA                                   | N/A                              |
| • 14.2 UN proper shipping name<br>• DOT, ADR, ADN, IMDG, IATA                     | Cleaning Compounds, NOI, liquid. |
| • 14.3 Transport hazard class(es)<br>• DOT, ADR, ADN, IMDG, IATA<br>• Class       | N/A                              |
| • 14.4 Packing group<br>• DOT, ADR, IMDG, IATA                                    | N/A                              |
| • 14.5 Environmental hazards:<br>• Marine pollutant:                              | No                               |
| • 14.6 Special precautions for user   | Not applicable.                  |
| • 14.7 Transport in bulk according to Annex II of<br>MARPOL73/78 and the IBC Code | Not applicable.                  |
| • UN "Model Regulation":  | Cleaning Compounds, NOI, liquid. |

Product at USE DILUTION Not intended for transport.

### 15 Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- United States (USA)
- SARA

Product as SOLD	Product at USE DILUTION
• Section 355 (extremely hazardous substances):	
None of the ingredients is listed.	None of the ingredients is listed.
• Section 313 (Specific toxic chemical listings):	
None of the ingredients is listed.	None of the ingredients is listed.
• TSCA (Toxic Substances Control Act):	
All ingredients are listed.	All ingredients are listed.

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Product as SOLD	Product at USE DILUTION
<b>• Proposition 65 (California):</b>	
<b>• Chemicals known to cause cancer:</b>	
None of the ingredients is listed.	None of the ingredients is listed.
<b>• Chemicals known to cause reproductive toxicity for females:</b>	
None of the ingredients is listed.	None of the ingredients is listed.
<b>• Chemicals known to cause reproductive toxicity for males:</b>	
None of the ingredients is listed.	None of the ingredients is listed.
<b>• Chemicals known to cause developmental toxicity:</b>	
None of the ingredients is listed.	None of the ingredients is listed.
<b>• Carcinogenic Categories</b>	
<b>• EPA (Environmental Protection Agency)</b>	
None of the ingredients is listed.	None of the ingredients is listed.
<b>• IARC (International Agency for Research on Cancer)</b>	
None of the ingredients is listed.	None of the ingredients is listed.
<b>• TLV (Threshold Limit Value established by ACGIH)</b>	
None of the ingredients is listed.	None of the ingredients is listed.
<b>• NIOSH-Ca (National Institute for Occupational Safety and Health)</b>	
None of the ingredients is listed.	None of the ingredients is listed.
<b>• OSHA-Ca (Occupational Safety &amp; Health Administration)</b>	
None of the ingredients is listed.	None of the ingredients is listed.
<b>• Canada</b>	
<b>• Canadian Domestic Substances List (DSL)</b>	
All ingredients are listed.	All ingredients are listed.
<b>• Canadian Ingredient Disclosure list (limit 0.1%)</b>	
34590-94-8 (2-Methoxymethylethoxy) propanol	Not applicable.
<b>• Canadian Ingredient Disclosure list (limit 1%)</b>	
None of the ingredients is listed.	None of the ingredients is listed.
<b>• 15.2 Chemical safety assessment:</b> A Chemical Safety Assessment has not been carried out.	

(Contd. on page 12)

# Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and  
GHS HCS 2012

Trade name: **Bio-Active Plus No-Rinse Enzyme All-Purpose Cleaner**

(Contd. from page 11)

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

### • Relevant phrases

H227 Combustible liquid.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H302 Harmful if swallowed.

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R22 Harmful if swallowed.  
R36 Irritating to eyes.  
R38 Irritating to skin.  
R41 Risk of serious damage to eyes.

Product as SOLD	Product at USE DILUTION																
<b>• Hazardous Material Information System (U.S.A.)</b>																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="background-color: #000080; color: white;">Health</td><td style="text-align: center;">2</td></tr> <tr><td style="background-color: #ff0000; color: white;">Flammability</td><td style="text-align: center;">0</td></tr> <tr><td style="background-color: #ffff00;">Physical hazards</td><td style="text-align: center;">0</td></tr> <tr><td> </td><td> </td></tr> </table>	Health	2	Flammability	0	Physical hazards	0			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="background-color: #000080; color: white;">Health</td><td style="text-align: center;">0</td></tr> <tr><td style="background-color: #ff0000; color: white;">Flammability</td><td style="text-align: center;">0</td></tr> <tr><td style="background-color: #ffff00;">Physical hazards</td><td style="text-align: center;">0</td></tr> <tr><td> </td><td> </td></tr> </table>	Health	0	Flammability	0	Physical hazards	0		
Health	2																
Flammability	0																
Physical hazards	0																
Health	0																
Flammability	0																
Physical hazards	0																
4=Very High; 3=High; 2=Moderate; 1=Slight; 0=Insignificant	4=Very High; 3=High; 2=Moderate; 1=Slight; 0=Insignificant																
<b>• NFPA ratings (scale 0 - 4)</b>																	
<div style="display: flex; align-items: center;"> <div> <p>Health = 2</p> <p>Fire = 0</p> <p>Reactivity = 0</p> </div> </div>	<div style="display: flex; align-items: center;"> <div> <p>Health = 0</p> <p>Fire = 0</p> <p>Reactivity = 0</p> </div> </div>																

SDS File Name: GL63 BIO ACTIVE PLUS SDS

### • Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
 IMDG: International Maritime Code for Dangerous Goods  
 DOT: US Department of Transportation  
 IATA: International Air Transport Association  
 GHS: Globally Harmonized System of Classification and Labeling of Chemicals  
 ACGIH: American Conference of Governmental Industrial Hygienists  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 ELINCS: European List of Notified Chemical Substances  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 NFPA: National Fire Protection Association (USA)  
 HMIS: Hazardous Materials Identification System (USA)  
 WHMIS: Workplace Hazardous Materials Information System (Canada)  
 DNEL: Derived No-Effect Level (REACH)  
 PNEC: Predicted No-Effect Concentration (REACH)

### • Sources

SDS Prepared by:  
JBE/JER

**Revision:** 2/25/2015

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