

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 #2308220

• 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				
8				
Product at USE DILUTION				
Not classified.				
Not classified.				
Not classified.				
ctive 1999/45/EC				
Not classified.				

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.

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 (Spintal on page 2) information from technical literature and by information provided by the company.

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Product as SOLD	Product at USE DILUTION
Labeling according to Regulation (EC) No 1272/2008	Product at USE DIEUTION
	The mixture does not meet the criteria for classification.
The product is classified and labeled according to the CLP regulation.	The mixture does not meet the criteria for classification.
Hazard pictograms	
GHS07	None
	None
• Hazard statements	None
	A:
H315 Causes skin irritation. H319 Causes serious eye irritation.	Avoid contact with eyes.
Precautionary statements	
Precautionary statements	
P280 Wear protective gloves/eye protection.	Wear protective eyewear if eye contact is possible.
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 pleny of water. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical advice/attention.	
Additional information:	

3 Composition/information on ingredients

• 3.2 Mixtures

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

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

Eye Dam. 1, H318

• Acute Tox. 4, H302

• 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		
After inhalation: Supply fresh air; consult doctor in case of complaints.	No special measures required. Treat symptomatically.		
After skin contact: Wash with water and rinse thoroughly. If skin irritation continues consult a doctor.	No known effect after skin contact. Rinse with water for a few minutes.		
After eye contact: Remove contact lenses if worn. Rinse opened eye for several minutes under running water. If symptoms persist consult a doctor.	No known effect after eye contact. Rinse with water for a few minutes. If irritation persists, get medical attention.		
After swallowing: Rinse out mouth and then drink plenty of water. Do not induce vomiting; call for medical help immediately.	Get medical attention if symptoms occur.		
• 4.2 Most important symptoms and effects both acute and delayed Gastric or intestinal disorders.			
Hazards No further relevant information available.	No known effects.		
• 4.3 Indication of any immediate medical attention and special treatment needed			
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:

CO2, 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.	
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.	
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.	

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.		
• 7.2 Conditions for safe storage, including any incompatibil	ities		
Storage:			
Requirements to be met by storerooms and receptacles:			
Keep out of reach of children. Keep out of reach of children.			
Information about storage in one common storage facility:			
Store away from oxidizing agents. Store away from foodstuffs. Store away from foodstuffs. Store away from foodstuffs.			
Further information about storage conditions:			
No storage precautions necessary. No storage precautions necessary.			
• 7.3 Specific end use(s)			
No further relevant information available.			

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8 Exposure controls/personal protection

	formation about design of technical facilities Product as SOLD	Product at USE DILUTION
0.4.0		Product at USE DILUTION
8.1 Control		
ingrealents	with limit values that require monitoring at the	
34590-94	-8 (2-Methoxymethylethoxy) propanol	Not applicable.
PEL (US	, , , , , , , , , , , , , , , , , , , ,	
TLV (US/		
Biological lim No biologica Exposure gui	I exposure limits noted for the ingredient(s).	
(2-Metho	hreshold Limit Values: Skin designation kymethylethoxy) propanol (CAS 34590-94-8) Can be through the skin.	
Airborne DIPROP	ornia Code of Regulations, Title 8, Section 5155. Contaminants (LENE GLYCOL METHYL ETHER (CAS 34590-94-8) psorbed through the skin.	
(2-Metho	Pocket Guide to Chemical Hazards symethylethoxy) propanol (CAS 34590-94-8) Can be through the skin.	
1910.100 (2-Metho	A Table Z-1 Limits for Air Contaminants (29 CFR 0) cymethylethoxy) propanol (CAS 34590-94-8) Can be through the skin.	
Z1A (2-Metho	essee. OELs. Occupational Exposure Limits, Table symethylethoxy) propanol (CAS 34590-94-8) Can be through the skin.	
	ngineering controls	
	ation normally adequate.	
8.2 Exposur		
	otective equipment:	
<u>.</u>	tective and hygienic measures:	
when handl Keep away Immediately Wash hands	recautionary measures are to be adhered to ng chemicals. from foodstuffs, beverages and feed. remove all soiled and contaminated clothing. before breaks and at the end of work. ct 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:	
Use suitable insufficient NIOSH app	under normal conditions of use. respiratory protective device in case of rentilation. roved organic vapor respirator equipped with a refilter 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 dust/mist prefilter should be used.

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Protection of hands:	(Contd. from page 5)
Product as SOLD	Product at USE DILUTION
Protective gloves	No protective equipment is needed under normal conditions.
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.	
Material of gloves	
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.
Penetration time of glove material	
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.
• For the permanent contact gloves made of the following ma	aterials are suitable: Rubber gloves
Eye protection:	
Safety glasses	No protective equipment is needed under normal conditions.
Body protection:	
Not required under normal conditions of use. Protection may be required for spills.	No protective equipment is needed under normal conditions.
• Limitation and supervision of exposure into the environme	nt
No further relevant information available.	No further relevant information available.
Risk management measures	
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
• 9.1 Information on basic physic		
General Information		
Appearance:		
Form:	Liquid	Liquid
Color:	Green	Light green or colorless.
Odor:	Fresh scent	Faint fresh scent
Odor threshold:	Not determined.	Not determined.
		(Outline or out

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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: Boiling point/Boiling range:	Undetermined. >212 °F / 100 °C	Undetermined. >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: Upper:	Not determined. Not determined.	Not determined. Not determined.
Vapor pressure at 20 °C:	23 hPa	Not determined.
Specific gravity:Relative densityVapor densityEvaporation rate	1.02 Not determined. Not determined. < 1 (BuAc=1)	Not determined. Not determined. Not determined. 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

Product as SOLD			Product at USE DILUTION
Acute toxicity: >5,000 mg/kg			Non-toxic at use-dilution.
LD/LC50 values relevant for classification:		or classification:	LD/LC50 values relevant for classification:
34590-94-8 (2	2-Methoxym	ethylethoxy) propanol	No known significant effects or critical hazards.
Dermal	LD50	10000 mg/kg (rabbit)	
Oral	LD50	5400 mg/kg (rat)	
5324-84-5 1-0	Octanesulfo	nic acid, sodium salt	
Oral	LD50	5000 mg/kg (rat)	
68439-46-3 A	Icohols, 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 Tetra	sodium eth	ylenediamine tetraacetate	
Oral	LD50	2000 mg/kg (rat)	
Primary irritant	effect:		
on the skin: Ca	uses skin irr	itation.	No adverse effects due to skin contact are expected.
on the eye: Causes serious eye damage. Direct contact with eyes may cause temporary irritation.			Direct contact with eyes may cause temporary irritation.
Sensitization: No sensitizing effects known.			
Additional toxic	cological in	formation:	
		wing dangers according to the calc Preparations as issued in the late	culation method of the General EU st version:
Irritant Prolonged inhalation may be harmful.			Not classified No known significant effects or critical hazards.

12 Ecological information

ity					
• Aquatic toxicity:					
	Product as SOLD		Product at USE DILUTION		
	Species	Test Results	No data available.		
1, ethoxyla	ted (CAS 68439-46-3)				
	Rainbow Trout	70.7 mg/l, 96 Hours			
EC50	Water flea (Daphnia magna)	2.9 - 8.5 mg/l, 48 hours			
LC50	Fathead minnow (Pimephales promelas)	6 - 12 mg/l, 96 hours			
	exicity:	Product as SOLD Species I, ethoxylated (CAS 68439-46-3) Rainbow Trout EC50 Water flea (Daphnia magna) LC50 Fathead minnow	Product as SOLD Species Test Results I, ethoxylated (CAS 68439-46-3) Rainbow Trout 70.7 mg/l, 96 Hours EC50 Water flea (Daphnia magna) LC50 Fathead minnow 6 - 12 mg/l, 96 hours		

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Product as SOLD				Product at USE DILUTION	(Contd. from page
Components		Species	Test Results	No data available.	
Tetrasodium eth	ylenediar	nine tetraacetate (CAS	64-02-8)		
Algae	LC50	Algae	1.01 mg/l, 72 Hours		
Aquatic					
Fish	LC50	Bluegill (Lepomis macrochirus)	472 - 500 mg/l, 96 hours		
* Estimates f shown.	or produc	et may be based on addi	tional component data not		

- 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				
Recommendation					
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.				
Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.					
Waste from residues / unused products 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).					
Contaminated packaging 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 • DOT, ADR, ADN, IMDG, IATA	N/A
14.2 UN proper shipping nameDOT, ADR, ADN, IMDG, IATA	Cleaning Compounds, NOI, liquid.
• 14.3 Transport hazard class(es)	
• DOT, ADR, ADN, IMDG, IATA • Class	N/A
• 14.4 Packing group • DOT, ADR, IMDG, IATA	N/A
• 14.5 Environmental hazards: • Marine pollutant:	No
14.6 Special precautions for user	Not applicable.
14.7 Transport in bulk according to Annex II of 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
Proposition 65 (California):	
• Chemicals known to cause cancer:	
None of the ingredients is listed.	None of the ingredients is listed.
Chemicals known to cause reproductive toxicity for female	PS:
None of the ingredients is listed.	None of the ingredients is listed.
Chemicals known to cause reproductive toxicity for males:	:
None of the ingredients is listed.	None of the ingredients is listed.
Chemicals known to cause developmental toxicity:	
None of the ingredients is listed.	None of the ingredients is listed.
Carcinogenic Categories	
• EPA (Environmental Protection Agency)	
None of the ingredients is listed.	None of the ingredients is listed.
IARC (International Agency for Research on Cancer)	
None of the ingredients is listed.	None of the ingredients is listed.
TLV (Threshold Limit Value established by ACGIH)	
None of the ingredients is listed.	None of the ingredients is listed.
NIOSH-Ca (National Institute for Occupational Safety and F	lealth)
None of the ingredients is listed.	None of the ingredients is listed.
OSHA-Ca (Occupational Safety & Health Administration)	
None of the ingredients is listed.	None of the ingredients is listed.
• Canada	
Canadian Domestic Substances List (DSL)	
All ingredients are listed.	All ingredients are listed.
Canadian Ingredient Disclosure list (limit 0.1%)	
34590-94-8 (2-Methoxymethylethoxy) propanol	Not applicable.
Canadian Ingredient Disclosure list (limit 1%)	
None of the ingredients is listed.	None of the ingredients is listed.

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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

R22 Harmful if swallowed.

R36 Irritating to eyes.

R38 Irritating to skin.

R41 Risk of serious damage to eyes.

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: 7/2/2018

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