

BIO-ACTIVE PLUS

No-Rinse Enzyme All-Purpose Cleaner

FLOOR CARE

AIR FRESHENER/ODOR CONTROL

FOODSERVICE

Bio-Active Plus is perfect for institutional kitchens, restaurants, food processing plants, schools, and businesses. Use *Bio-Active Plus* to mop floors around urinals and toilets, locker rooms, dumpsters, kennels – wherever persistent odors are a problem. *Bio-Active Plus* uses nature's own cleaning agents to rid grease, waste, and odors from floors, surfaces, and drains. With regular use, floors, surfaces, and drains are kept clean and odor-free. *Bio-Active Plus* is safe to use and is safe for the environment.



Bio-Active Plus
ST-822, 2.5 fl. oz. pack

ST-No.	UPC No. Mfg. No. 071206	Case Size	Case Weight	Cases/Pallet
ST-822	008220	72 x 2.5 fl. oz. packs	13.5 pounds	70

Directions

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 1 quart (1 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.

Ingredients

Bio-Active Plus is a blend of cleaning surfactants, bacterial strains, and a multiple enzyme system which cleans and breaks down grease, fats, and other complex organic material naturally.

Chemical Characteristics

Abrasive.....	no
Appearance.....	clear, blue-green liquid
Biodegradable.....	yes
California Compliant.....	yes
Corrosive.....	no
Fragrance.....	fresh scent
Non-Acid.....	yes
Non-Butyl.....	yes
Non-Flammable.....	yes
Non-Toxic.....	yes
pH.....	6.5-7.5
Phosphate-Free.....	yes
Sara 313 Notification Required.....	no
VOC Compliant.....	yes



STEARN'S PACKAGING CORPORATION

4200 Sycamore Avenue (53714) • P.O. Box 3216, Madison, Wisconsin 53704-0216

Telephone: (800) 655-5008 • (608) 246-5150 • Fax: (608) 246-5149

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MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

Product Name: Bio-Active Plus
Deodorizing Enzyme
All-Purpose Cleaner

Synonyms: ST-822

Company: Stearns Packaging Corporation
4200 Sycamore Avenue (53714)
PO Box 3216
Madison, WI 53704-0216

Phone: 800-655-5008
Fax: 608-246-5149
Website: www.stearnspkg.com

Formula ID Number: GL63
MSDS File Name: BIO-ACTIVE PLUS
EPA Reg #: None
DOT Hazard Class: None
DOT Shipping Name: Compound, cleaning, NOI,
liquid. Item 48580, Sub. 3, Class 55
NSF Certified: None

Concentrate		In Dilution		HAZARD RATING
0	Flammability	0		
1	Health	0		
0	Reactivity	0		
None	Special Hazard	None		

4 = Extreme
3 = High
2 = Moderate
1 = Slight
0 = Insignificant

Emergency Contact: CHEM-TEL, 800-255-3924

Abbreviation Key: N.A.=Not Applicable,
N.D.=Not Determined

SECTION 2 – HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

CHEMICAL IDENTIFICATION	CAS NO.	HAZARD	PEL(ppm)	TLV(ppm)	%(Optional)
Water	7732-18-5				
Linear alcohol ethoxylate	34398-01-1				
Sodium alkane sulfonate	5324-84-5				
Viable bacterial complex	N/A				
Dipropylene glycol monomethyl ether	34590-94-8		100 ppm (OSHA)		1-5
Propylene glycol monomethyl ether	107-98-2				
Tetrasodium salt ethylenediamine tetraacetate	64-02-8				
Phosphoric acid	7664-38-2				
Trace fragrance	N/A				

SARA/Title III Section 313, 301, 303, and/or 304 Notification Required: No

SECTION 3 – PHYSICAL DATA

Appearance and Odor: Solubility in water: Complete Vapor Pressure (mm Hg): N.D. pH (Concentrate): 7.0 ± 0.5
Clear blue-green Boiling Point (°F): >212° Vapor Density (Air=1): N.D. pH (1% Solution): N.D.
liquid, fresh scent Melting/Freezing Point: N.D. Evaporation Rate (n-butyl acetate=1): Much slower than 1 Specific Gravity (water=1): 1.030
% Volatiles in Concentrate: ~10%

SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method: N.D. Special Fire Fighting Procedures: None
Flammable Limits LEL: N.D. Unusual Fire & Explosion Hazards: None known
UEL: N.D.
Extinguishing Media: Treat primary cause of fire.

SECTION 5 – REACTIVITY DATA

Chemical Stability: Stable: Unstable: _____ Hazardous Polymerization: May Occur _____ Will Not Occur
Conditions to Avoid: None Hazardous Decomposition or By-Products: CO, CO₂, and NO_x may be produced.
Incompatibility (Materials to Avoid): Strong oxidizing or reducing agents
may inactivate biological cultures.

SECTION 6 – HEALTH HAZARD DATA/FIRST AID PROCEDURES

Health Hazards (Acute and Chronic): If misted in concentrated form, which is improper use, can cause irritation of mucous membrane, nose, eye and throat. Can cause allergic response in susceptible or hypersensitive individuals upon repeated or prolonged exposure.

Signs and Symptoms of Exposure: May cause dermatitis or irritation upon prolonged contact. Localized skin defatting can be expected from concentrate on long contact. Prolonged contact with concentrate may cause painful stinging or burning of eyes and lids, watering of eye, conjunctivitis, opaqueness of cornea, possibly leading to loss of sight.

Medical Conditions Aggravated by Exposure: No data found.

Carcinogenicity: IARC Monographs? Yes _____ No
NTP? Yes _____ No OSHA Regulated? Yes _____ No

Emergency and First Aid Procedures:
Eyes: PROMPTLY flush with large amounts of water for at least 15 minutes, occasionally lifting the lower and upper lids. See a physician if irritation persists.
Skin: As for all foreign materials, wash off concentrate or diluted use solution with copious amounts of water. Remove clothing that has been saturated by concentrate. Thoroughly wash affected clothing and shoes.
Inhalation: Remove from exposure. Obtain medical attention.
Ingestion: DO NOT attempt to induce vomiting. Have the individual drink one or more full glasses of milk or water. If vomiting occurs, give fluids again. NEVER give anything to an unconscious person. Call a physician or your local Poison Control Center.
NOTE TO PHYSICIAN: No specific antidote. Use supportive care. Treatment should be directed at the control symptoms and the clinical condition of the patient.

SECTION 7 – PREVENTATIVE AND CONTROL MEASURES

Ventilation: Local Exhaust: None normally required.
Mechanical: None normally required.

Skin Protection: Not normally required.

Eye Protection: Not normally required. Use if in specific application splashes or mists might get into eyes.

Respiratory Protection: Not required under normal working/use conditions.

Other Precautions: Avoid contact of concentrate with eyes and prolonged contact of concentrate with skin. Avoid breathing misted vapors. Always keep out of reach of children.

Steps to be Taken if Material is Spilled or Released: Concentrated materials are packed in small unit dosed bags limiting any spills to very small quantities. Paper toweling or mopping is usually sufficient.

Waste Disposal: Comply with all local, state and federal regulations. Consult your state DNR or the EPA for specific questions. Wastewater should never enter a fresh water body without treatment. Normal waste disposal of empty bags in accordance with state and local regulations or recycle after rinsing package.

Handling and Storage: No specific requirements.

SECTION 8 – OTHER REGULATORY INFORMATION

State Right-to-Know Regulations:	CAS#	State Right-to-Know
Dipropylene glycol monomethyl ether	34590-94-8	PA
Propylene glycol monomethyl ether	107-98-2	NJ, PA

This MSDS data relates only to the material designated and does not relate to its use with any other material or process. The data is believed to be accurate. However, since use conditions vary and are outside our control, Stearns Packaging Corporation makes no warranties, expressed or implied, and assumes no liability for failure to follow directions and safety precautions.

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