

BIO-ACTIVE™ Para-Free Urinal Screen



BIO-ACTIVE Urinal Screens are made of non-pDCB ingredients, composed of specially formulated bacterial cultures capable of degrading uric acid, the leading cause of odors in urinals. This product contains powerful biological cleaning agents, proven to maintain clear and odor free urinal traps and lines by degrading the crystalline structure of uric acid that can slow the drain system. BIO-ACTIVE Urinal Screens are specially designed to be safer and less damaging than conventional chemical, pDCB, urinal blocks.

The bacteria contained in this product are non-pathogenic and are on the US TSCA inventory as well as the Canadian DSL list. The non-pDCB formula is a unique combination of protease enzymes, surfactants and bacteria blended with additional cleaning and water softening agents, odor blocking fragrance, and coloring. BIO-ACTIVE Urinal Screens are suitable for all types of urinals, stainless steel, porcelain, and ceramic troughs. When used as directed, BIO-ACTIVE Urinal Screens are safe to people and the environment.

CLEANS & FRESHENS

BIO-ACTIVE Urinal Screens are cost efficient and can save money by reducing the frequency of urinal flushing because they dispense bacteria, water softening agents, and enzymes into the pipelines each time the urinal is used or flushed. The unique formula targets and cleans scaling build-up as it deodorizes.

BIO-ACTIVE Urinal Screens is approved for use under for the classification of Food Handling Environment by the Canadian Food Inspection Agency.

Benefits of BIO-ACTIVE Urinal Screens:

- Saves water which saves money
- Works in all types of urinals or troughs
- Cleans and freshens
- DSL approved bacterial cultures
- Environmentally safe
- Prevents blockages in traps and pipes
- Reduce odors

Specifications

Form:	Solid
Color:	Blue or White
Fragrance:	ST-823 Citrus ST-824 Evergreen
Shelf Life:	1 - 3 years
Non-Bacterial Content:	Cleaning & Water Softening Agents, Fragrance, Perfume

Storage

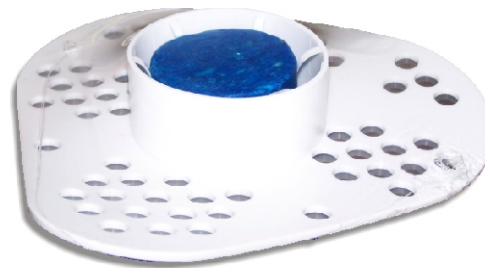
DO NOT FREEZE! Store in a cool dry location. Avoid excessive skin contact. SEE M.S.D.S.

Applications Instructions

Place one BIO-ACTIVE Urinal Screens in each urinal or every 20 inches (50cm) in trough urinals. For optimal results, replace when block has dissolved.



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MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

Product Name: Bio-Active Para-Free Urinal Screen
Formula ID Number: .GOOD-ST-0823/.GOOD-ST-0824
Synonyms: ST-823 (citrus), ST-824 (evergreen)
MSDS File Name: BIO-ACTIVE URINAL SCREEN
Company: Stearns Packaging Corporation
4200 Sycamore Avenue (53714)
PO Box 3216
Madison, WI 53704-0216
Phone: 800-655-5008
Fax: 608-246-5149

EPA Reg #: None
DOT Hazard Class: None
DOT Shipping Name: Deodorants, NOI, other than contained in or in the form of decorations, novelties, or ornaments, in inner containers in boxes. Item 57100, Sub. 2, Class 85
NSF Certified: None
EcoLogo Certified: CCD 165

Concentrate		HAZARD RATING
0	Flammability	4 = Extreme 3 = High
1	Health	2 = Moderate 1 = Slight
0	Reactivity	0 = Insignificant
None	Special Hazard	

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)
Cocamide MEA	68140-00-1				
Trace fragrance	Not available				
Magnesium stearate	557-04-0				
Viable bacteria culture	Not available				
Sodium sulphate	7757-82-6				
Calsoft F-90	68081-81-2				

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

SECTION 3 – PHYSICAL DATA

Appearance and Odor: Solid block, blue Citrus scent or evergreen scent
Solubility in water: Dissolves
Boiling Point (°F): N.A.
Melting Point/Range: 51°C - 53°C
Evaporation Rate: N.A.
Vapor Pressure (mm Hg): N.A.
Relative Density (Air=1): N.D.
Vapor Density: N.A.
pH (Concentrate): Not available
pH (1% Solution): N.D.
Specific Gravity (water=1): 1.030

SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method: N.D.
Special Fire Fighting Procedures: Do not spray a solid stream of water or foam on hot burning liquid, may cause frothing and increase fire intensity. Use self-contained breathing apparatus.
Flammable Limits: LEL: N.D. UEL: N.D.
Extinguishing Media: Dry chemicals, CO₂, water spray, or foam.
Unusual Fire & Explosion Hazards: Burns to produce oxides of carbon and nitrogen

SECTION 5 – REACTIVITY DATA

Chemical Stability: Stable: Unstable: _____
Conditions to Avoid: Accumulations of product in enclosed spaces.
Incompatibility (Materials to Avoid): Aluminum may react with oxidizing agents such as hydrogen peroxide and sodium hypochlorite.
Hazardous Polymerization: May Occur _____ Will Not Occur
Conditions to Avoid: None known
Hazardous Decomposition or By-Products: Thermal decomposition may produce carbon monoxide, carbon dioxide, ammonia, and oxides of nitrogen. When heated to 1100°C, it may emit toxic oxides of sulphur and sodium oxide.

SECTION 6 – HEALTH HAZARD DATA/FIRST AID PROCEDURES

Health Hazards (Acute and Chronic): May cause irritation to the eyes, skin, and if ingested. Low acute oral toxicity although ingestion will cause irritation of the gastrointestinal tract and may result in nausea and diarrhea. May cause mild mechanical irritation to eyes, skin, and mucous membranes. May cause irritation from allergic reaction, especially to people that have a history of allergic reaction.
Signs and Symptoms of Exposure: May cause irritation to skin. Causes irritation upon contact with eyes. If ingested, causes irritation of gastrointestinal tract, nausea, and diarrhea.
Medical Conditions Aggravated by Exposure: Not known.
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 20-30 minutes. Obtain medical attention.
Skin: Wash skin with soap and water after contact. If irritation persists, seek medical attention.
Inhalation: No treatment needed.
Ingestion: Wash out mouth with water. DO NOT induce vomiting. If patient is conscious, give several glasses of water to drink. NEVER give anything to an unconscious person. If patient feels unwell seek medical attention.
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: Wash after exposure. Full suit, boots, face shield are recommended under exceptional circumstances such as fire, or for prolonged contact with bulk quantities. (Under normal use should not be necessary.)
Eye Protection: Safety glasses or goggles recommended. (Under normal use should not be necessary.)
Respiratory Protection: Mask. (Under normal use should not be necessary.)
Other Precautions: Wash hands after use. Gloves recommended. Always keep out of reach of children.
Steps to be Taken if Material is Spilled or Released: For personal precautions, wear appropriate PPE (Personal Protective Equipment)-see this section. Pick up material and place in its original container.
Waste Disposal: Comply with all local, state and federal regulations. Substance should be disposed via an authorized waste disposal contractor to an approved waste disposal site, observing all local and national regulations. Consult your state DNR or the EPA for specific questions. Wastewater should never enter a fresh water body without treatment. Users should be aware of environmental considerations and their duties under the environmental protection act.
Handling and Storage: Keep general ventilation around product. Temperature range: 0 deg C to 40 deg C for product viability only. Humidity range should be less than 40% for long-term exposure of unprotected product for product viability only. Keep away from . see Section 5. Store product in original container with closed lid.

SECTION 8 – OTHER REGULATORY INFORMATION

This material must not be used for direct contact with food.
Oral LD₅₀: Greater than 2000 mg/kg (rat)
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.
Environmental Effects: Minimal impact under normal conditions of use and storage. The bacterial cultures are naturally occurring soil type organisms.