

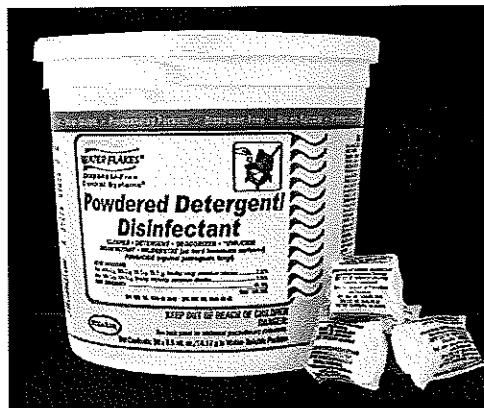


WATER-SOLUBLE • PREMEASURED PACKETS • DISPENSER FREE
Packaged For Institutional and Industrial Use

POWDERED DETERGENT/DISINFECTANT

**DISINFECT, DEODORIZE AND CLEAN WITH
POWDERED DETERGENT/DISINFECTANT.**

Powdered Detergent/Disinfectant is a phosphate-free, concentrated formulation designed to provide effective cleaning, deodorizing and disinfection specifically for hospitals, nursing homes and other institutions. **Powdered Detergent/Disinfectant** gently cleans and deodorizes walls, floors, sink tops, tables and chairs. Its disinfecting power kills HIV (the virus that causes AIDS), E. Coli, Salmonella Choleraesuis and many other bacteria on hard inanimate surfaces.



Stearns developed **Powdered Detergent/Disinfectant** to be an environmentally responsible product. Its concentrated detergent is premeasured and packaged in a 100% biodegradable water-soluble film that dissolves completely in water.

Eliminate unpleasant odors by simply dropping one packet of **Powdered Detergent/Disinfectant** in one gallon of water and apply. Your work-place will be hospital-clean with a fresh lemon scent.

Directions

Add one (1/2 oz.) premeasured packet per gallon of water. **Powdered Detergent/Disinfectant** is EPA registered as a disinfectant. This product has demonstrated efficacy against a variety of microorganisms including *Pseudomonas aeruginosa* PRD-10, *Escherichia coli*, *Klebsiella pneumoniae*, *Salmonella schottmuelleri*, *Salmonella choleraesuis*, *Brevibacterium ammoniagenes*, *Streptococcus faecalis*, *Shigella dysenteriae*, *Staphylococcus aureus*, *Enterobacter aerogenes*, *Trichophyton mentagrophytes*, and HIV-1. As an EPA registered disinfectant, it is a violation of federal law to use this product in a manner inconsistent with its labeling.

Active Ingredients

The active ingredients in **Powdered Detergent/Disinfectant** are alkyl dimethyl benzyl ammonium chlorides and alkyl dimethyl ethylbenzyl ammonium chlorides.

EPA Registration

EPA REG.NO.1839-93-3640

EPA EST. NO. 3640-WI-01

See actual pail label for complete EPA information.

Packaging

ST-794 is packed 2 x 90 x 0.5 wt. oz. packets per case, case weight is 7 lbs.

ST-803 is packed 400 x 0.5 wt. oz. packets per pail, pail weight is 16 lbs.

Caution

Do not handle packets with wet hands. Do not remove packets from container prior to use. Humidity and water will destroy the packet integrity.

Chemical Characteristics

Abrasive	no
Appearance	white granules
Biodegradable	yes
California Compliant	yes
Corrosive	no
Fragrance	lemon
Non-Acid	yes
Non-Butyl	yes
Non-Flammable	yes
Non-Toxic	yes
pH (use dilution)	9.0
Phosphate-Free	yes
Sara 313 notification required	no
Solubility in water	complete
VOC Compliant	yes

Efficacy Summary Available

This product has demonstrated efficacy against a variety of microorganisms. For more detailed information see the *Powdered Detergent/Disinfectant Efficacy Summary*.

794lek 3/09

STEARNS

STEARNS PACKAGING CORPORATION

4200 Sycamore Avenue (53714) • P.O. Box 3218, Madison, Wisconsin 53704-0218

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

E-mail: stearns@stearnspkg.com • <http://www.stearnspkg.com>

MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

Product Name: Powdered Detergent/Disinfectant (Water Flakes®)
 Synonyms: ST-794, ST-803
 Company: Stearns Packaging Corporation
 4200 Sycamore Ave. (53714)
 PO Box 3216
 Madison, WI 53704-0216
 Phone: 800-655-5008
 Fax: 608-246-5149
 Website: www.stearnspkg.com

Formula ID Number: SP30
 MSDS File Name: WF POWDERED DET DISINF
 EPA Reg #: 1839-93-3640
 DOT Hazard Class: None
 DOT Shipping Name: Disinfectant, NOI, powder.
 Item 57100, Sub. 3, Class 85
 NSF Certified: None

Concentrate		In Dilution	HAZARD RATING
1	Flammability	0	
2	Health	1	
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)
Sodium sulfate	7757-82-6				
Urea	57-13-6	Irritant			
Alkyl dimethyl benzyl ammonium chloride	68391-01-5	Corrosive			7.95%
Alkyl dimethyl ethylbenzyl ammonium chloride	85409-23-0	Corrosive			7.95%
Linear primary alcohol ethoxylate	68131-39-5	Irritant			
Sodium carbonate	497-19-8	Irritant			

SARA Section 313 Title III Notification Required: No

SECTION 3 – PHYSICAL DATA

Appearance and Odor: White powder, lemon scent	Solubility in water: Complete	Vapor Pressure (mm Hg): N.A.	pH (Concentrate): N.A.
	Boiling Point: N.A.	Vapor Density (Air=1): N.A.	pH (Use Dilution): 9.0
	Melting Point: N.A.	Evaporation Rate (Water=0.3): N.A.	Specific Gravity: N.A.

SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method: Non-combustible, >200°F
 Extinguishing Media: N.A.
 Flammable Limits: LEL: N.A., UEL: N.A.
 Special Fire Fighting Procedures: Use full protective clothing and self-contained breathing apparatus.
 Unusual Fire & Explosion Hazards: None

SECTION 5 – REACTIVITY DATA

Chemical Stability: Stable: ☒ Unstable: ☐
 Conditions to Avoid: Freezing and extreme heat.
 Incompatibility (Materials to Avoid): Combination with acids will give off carbon dioxide.
 Hazardous Polymerization: May Occur ☐ Will Not Occur ☒
 Conditions to Avoid: None known
 Hazardous Decomposition or By-Products: Carbon dioxide
 Carcinogenicity: IARC Monographs? Yes ☐ No ☒
 NTP? Yes ☐ No ☒ OSHA Regulated? Yes ☐ No ☒
 Medical Conditions Aggravated by Exposure: N.D.
 Ingestion: May be harmful if swallowed. Drink large amounts of water or milk. **DO NOT** induce vomiting. Get medical attention immediately. Avoid contamination of foods.

SECTION 6 – HEALTH HAZARD DATA/FIRST AID PROCEDURES

Health Hazards (Acute and Chronic): Mildly alkaline; may cause burning to eyes and respiratory passages. Possible irritant to skin over prolonged periods of exposure.
 Signs and Symptoms of Exposure: Irritation of exposed tissues, especially eyes, skin, throat, nasal cavities, and other mucous membranes.
 Emergency and First Aid Procedures:
 Eyes: If contact occurs, flush with plenty of cool water for 15 minutes. Consult a physician.
 Skin: May be irritating to skin. Flush with water and wear gloves in the future to minimize exposure. Wash hands thoroughly after handling. Discontinue use if irritation persists and consult a physician.
 Inhalation: Remove from exposure. Obtain medical attention immediately.

SECTION 7 – PREVENTATIVE AND CONTROL MEASURES

Ventilation: Local Exhaust: Recommended for control of dusts.
 Mechanical: Recommended for control of dusts.
 Skin Protection: Use neoprene, rubber, or other chemical resistant gloves.
 Wear protective clothing to prevent repeated or prolonged contact.
 Eye Protection: Avoid eye contact.
 Respiratory Protection: In general, respirators are not needed if the product is used in a well-ventilated area.
 Other Precautions: Keep out of the reach of children.
 Steps to be Taken if Material is Spilled or Released: Sweep up for salvage or disposal. Take care to avoid contact with large amounts of dust.
 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.
 Handling and Storage: Wear all recommended safety gear. Do not mix with other chemicals or cleaning agents. Avoid contact with dust.

SECTION 8 – OTHER REGULATORY INFORMATION

California Safe Drinking Water and Toxic Enforcement Act of 1986 – No chemicals listed by California are present at a level that poses a significant risk of causing cancer or reproductive toxicity.

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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.