



**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*.

794tek 12/08



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MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

Product Name: Powdered Detergent/Disinfectant (Water Flakes®) Formula ID Number: SP30
MSDS File Name: WF POWDERED DET DISINF
Synonyms: ST-794, ST-803 EPA Reg #: 1839-93-3640
DOT Hazard Class: None
Company: Stearns Packaging Corporation DOT Shipping Name: Disinfectant, NOI, powder.
4200 Sycamore Ave. (53714) Item 57100, Sub. 3, Class 85
PO Box 3216 NSF Certified: None
Madison, WI 53704-0216
Phone: 800-655-5008
Fax: 608-246-5149
Website: www.stearnspkg.com

Concentrate		In Dilution		HAZARD RATING
1	Flammability	0		
2	Health	1		3 = High
0	Reactivity	0		2 = Moderate
None	Special Hazard	None		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: Solubility in water: Complete Vapor Pressure (mm Hg): N.A. pH (Concentrate): N.A.
White powder, Boiling Point: N.A. Vapor Density (Air=1): N.A. pH (Use Dilution): 9.0
lemon scent 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. Special Fire Fighting Procedures: Use full protective clothing and self-contained
UEL: N.A. breathing apparatus.
Unusual Fire & Explosion Hazards: None

SECTION 5 – REACTIVITY DATA

Chemical Stability: Stable: Unstable: _____ Hazardous Polymerization: May Occur _____ Will Not Occur
Conditions to Avoid: Freezing and extreme heat. Conditions to Avoid: None known
Incompatibility (Materials to Avoid): Combination with acids will give off carbon Hazardous Decomposition or By-Products: Carbon dioxide
dioxide.

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. Emergency and First Aid Procedures:
Signs and Symptoms of Exposure: Irritation of exposed tissues, especially eyes, skin, throat, nasal cavities, and other mucous membranes. 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.
Medical Conditions Aggravated by Exposure: N.D. Inhalation: Remove from exposure. Obtain medical attention immediately.
Carcinogenicity: IARC Monographs? Yes _____ No 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.
NTP? Yes _____ No OSHA Regulated? Yes _____ No
NOTE TO PHYSICIAN: No specific antidote. Use supportive care. Treatment should be based on physician's judgment in response to the patient's reaction.

SECTION 7 – PREVENTATIVE AND CONTROL MEASURES

Ventilation: Local Exhaust: Recommended for control of dusts. 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.
Mechanical: Recommended for control of dusts. 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.
Skin Protection: Use neoprene, rubber, or other chemical resistant gloves. Wear protective clothing to prevent repeated or prolonged contact. Handling and Storage: Wear all recommended safety gear. Do not mix with other chemicals or cleaning agents. Avoid contact with dust.
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.

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. rev. 10/07/08

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.