

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
4200 Sycamore Ave. (53714)
PO Box 3216
Madison, WI 53704-0216

DOT Shipping Name: Disinfectant, NOI, powder.
Item 57100, Sub 3, Class 85

NSF Certified: None

Phone: 800-655-5008

Fax: 608-246-5149

Website: www.stearnspkg.com

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

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

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

SECTION 2 – HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

CHEMICAL IDENTIFICATION

	CAS NO.	HAZARD	OSHA PEL(ppm)	TLV(ppm)	%(Optional)
Sodium sulfate	7757-82-6				
Urea	57-13-6	Irritant	10 mg/m3 TWA		
Alkyl dimethyl benzyl ammonium chloride (C12-18)	68391-01-5	Corrosive			7.95%
Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride	85409-23-0	Corrosive			7.95%
Linear primary alcohol ethoxylate	68131-39-5	Irritant			
Sodium carbonate	497-19-8	Irritant			
Silicon dioxide	7631-86-9		6 mg/m3 TWA		

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.D.	pH (Concentrate): N.A.
	Boiling Point: N.A.	Vapor Density (Air=1): Estimated heavier than air	pH (1% Solution): 9.0-10.0
	Melting Point: N.A.	Evaporation Rate: Estimated slower than ethyl ether	Specific Gravity: N.A.

SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method: > 200° F (> 93.9° C)	Special Fire Fighting Procedures: Firefighters should wear full fire-fighting turn-out gear (full Bunker gear) including NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.
Flammable Limits: LEL: N.A., UEL: N.A.	Unusual Fire & Explosion Hazards: None
Extinguishing Media: Dry chemical, foam, carbon dioxide, water fog	

SECTION 5 – REACTIVITY DATA

Chemical Stability: Stable: <input checked="" type="checkbox"/> Unstable: _____	Hazardous Polymerization: May Occur _____ Will Not Occur <input checked="" type="checkbox"/>
Conditions to Avoid: Freezing and extreme heat.	Hazardous Decomposition or By-Products: Upon decomposition, this product may yield oxides of nitrogen and ammonia, carbon dioxide, carbon monoxide and other low molecular weight hydrocarbons.
Incompatibility (Materials to Avoid): May react with oxidizing agents.	

SECTION 6 – HEALTH HAZARD DATA/FIRST AID PROCEDURES

Health Hazards (Acute and Chronic): May be corrosive to the skin and eyes. May be harmful if swallowed.	<u>Emergency and First Aid Procedures:</u>
Signs and Symptoms of Exposure: Eyes: May be corrosive to eyes. Skin: May be corrosive to skin. Inhalation: Dusts of this product may cause irritation of the nose, throat, and respiratory tract. Ingestion: May be harmful if swallowed. May cause nausea, vomiting, and diarrhea.	Eyes: Immediately flush eyes with water for at least 15 minutes while holding eyelids open. Get medical attention or advice.
Medical Conditions Aggravated by Exposure: N.D.	Skin: Immediately take off all contaminated clothing. For skin contact, flush with large amounts of water. If irritation persists, get medical attention. Wash contaminated clothing before reuse.
Carcinogenicity: IARC Monographs? Yes _____ No <input checked="" type="checkbox"/>	Inhalation: If symptoms are experienced, remove source of contamination or move victim to fresh air. If symptoms persist, get medical attention. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Seek medical attention.
NTP? Yes _____ No <input checked="" type="checkbox"/> OSHA Regulated? Yes _____ No <input checked="" type="checkbox"/>	Ingestion: If swallowed, get immediate medical attention or advice. Do not induce vomiting.
NOTE TO PHYSICIAN: If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately.	

SECTION 7 – PREVENTATIVE AND CONTROL MEASURES

Engineering Controls: Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.	Steps to be Taken if Material is Spilled or Released: Wear appropriate personal protective equipment during cleanup. Cover powder spill with plastic sheet or tarp to minimize spreading. Use clean non-sparking tools to collect absorbed material. With clean shovel place material into clean, dry container; move containers from spill area. DO NOT GET WATER INSIDE CONTAINERS. Do not touch or walk through spilled material.
Skin Protection: Work clothing sufficient to prevent all skin contact should be worn, such as coveralls and long sleeves. Use impervious gloves.	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. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law.
Eye/Face Protection: Wear chemical goggles and face shield.	Handling and Storage: Avoid contact with skin and eyes. Avoid breathing dusts from this material. Wash thoroughly after handling. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Keep the container tightly closed and in a cool, well-ventilated place. DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL.
Respiratory Protection: If exposure limits are exceeded or if irritation is experienced, NIOSH approved respiratory protection should be worn.	
Other Precautions: Eye wash fountain and emergency showers are recommended. Keep out of the reach of children.	
Disposal Instructions: Container disposal-Do not reuse empty container. Triple rinse empty container with water. Plastic containers may be disposed of in a sanitary landfill, incinerated, or if allowed by local authorities, by burning. If burned, stay out of smoke. Offer for recycling if available.	

SECTION 8 – OTHER REGULATORY INFORMATION

Toxicological Information: Sodium sulfate 7757-28-6	Oral LD50: Mouse 5989 mg/kg
Urea 57-13-6:	Oral LD50: Rat 8471 mg/kg, Mouse 11 g/kg
Sodium carbonate 497-19-8:	Inhalation LC50: Rat 2300 mg/m3/2H, Mouse 1200 mg/m3/2H;
	Oral LD50: Rat 4090 mg/kg, Mouse 6600 mg/kg

Ecotoxicity: Toxic to fish

There is no calculable reportable quantity (RQ) for this product.

This product is considered a pesticide and is therefore excluded from the United States TSCA Regulations.

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.

rev. 10/21/10