

# MATERIAL SAFETY DATA SHEET

## SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

Product Name: Heavy-Duty Cleaner Degreaser (Water Flakes®)  
Synonyms: ST-797  
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: GP65  
MSDS File Name: WF HEAVY DUTY CLNR DEG  
EPA Reg #: None  
DOT Hazard Class: None  
DOT Shipping Name: Cleaning Compounds, NOI,  
powder. Item 48581, Class 55  
NSF Certified: N/A

Concentrate		In Dilution		HAZARD RATING
0	Flammability	0		
3	Health	2		
0	Reactivity	0		
None	Special Hazard	None		

**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 carbonate	497-19-8	Irritant			30-60
Tetrasodium salt of EDTA	64-02-8	Irritant			10-30
Sodium dodecylbenzene sulfonate	25155-30-0	Irritant			10-30
Citric acid	77-92-9	Irritant			5-10
Sodium metasilicate anhydrous	6834-92-0	Corrosive			5-10
Ethylene glycol monobutyl ether	111-76-2	Combustible liquid, Irritant			6

SARA Section 313 Title III Notification Required: Yes; Chemical: Glycol ethers; CAS#: N.A.; Weight % of Chemical: 6

## SECTION 3 – PHYSICAL DATA

Appearance and Odor: Purple powder, mild ether odor  
Solubility in water: Complete  
Boiling Point: N.D.  
Melting Point: N.D.  
Vapor Pressure (mm Hg): N.D.  
Vapor Density (Air=1): N.D.  
Evaporation Rate (Water=0.3): N.D.  
pH (Concentrate): N.D.  
pH (1% Solution): 11.0  
Specific Gravity: 0.75

## SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method: N.A.  
Flammable Limits: LEL: N.A., UEL: N.A.  
Extinguishing Media: Foam, CO<sub>2</sub>, dry chemical, water fog  
Special Fire Fighting Procedures: Use full protective clothing and self-contained breathing apparatus. Normal fire fighting procedure may be used.  
Unusual Fire & Explosion Hazards: None

## SECTION 5 – REACTIVITY DATA

Chemical Stability: Stable:  Unstable:   
Conditions to Avoid: No special conditions  
Incompatibility (Materials to Avoid): Do not mix with any other chemicals or products unless specified by label.  
Hazardous Polymerization: May Occur  Will Not Occur   
Hazardous Decomposition or By-Products: When exposed to fire, produces normal products of combustion.

## SECTION 6 – HEALTH HAZARD DATA/FIRST AID PROCEDURES

Health Hazards (Acute and Chronic): Corrosive and may cause permanent damage, including blindness, to exposed tissues, especially eyes, skin, throat, nasal cavities, and other mucous membranes.  
Signs and Symptoms of Exposure: May cause irritation or corrosive effects to exposed tissues, especially eyes, skin, throat, nasal cavities, and other mucous membranes.  
Medical Conditions Aggravated by Exposure: None known  
Carcinogenicity: IARC Monographs? Yes  No   
NTP? Yes  No  OSHA Regulated? Yes  No   
NOTE TO PHYSICIAN: No specific antidote. Use supportive care. Treatment should be based on judgment of the physician in response to the reactions of the patient.  
Emergency and First Aid Procedures:  
Eyes: Flush with plenty of cool water for at least 15 minutes. Obtain medical attention immediately.  
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 to fresh air. Obtain medical attention immediately.  
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 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 and footwear to prevent repeated or prolonged contact.  
Respiratory Protection: In general, respirators are not needed if the product is used in a well-ventilated area. If dusts are not adequately controlled by ventilation, use appropriate respiratory protection to prevent overexposure.  
Eye Protection: Avoid eye contact. Wear chemical goggles.  
Steps to be Taken if Material is Spilled or Released: Absorb with oil-dri or similar inert material. Sweep or scrape up and containerize. Wear/Use appropriate protective equipment.  
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: Wash thoroughly after handling. Thoroughly clean footwear and clothing before reuse. Keep container closed. Do not mix with other chemicals or cleaning agents.  
Other Precautions: Powder is corrosive to eyes and skin. Avoid getting powder concentrate in eyes or on skin. Harmful if swallowed. Do not taste or swallow. Keep out of the reach of children. For industrial use only.

## 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.  
This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act 1986 and 40CFR Part 372: Glycol ethers  
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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