

MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

Product Name: Drain Opener

Formula ID Number: BQ10

Synonyms: ST-730
Drain Opener #730

MSDS File Name: DRAIN OPENER 730

Company: Stearns Packaging Corporation
4200 Sycamore Ave. (53714)
PO Box 3216
Madison, WI 53704-0216

EPA Reg #: None

DOT Hazard Class: ORM-D

DOT Shipping Name: Consumer Commodity, ORM-D

Hazard Label: ORM-D

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	
3	Health		2	
2	Reactivity		1	
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	PEL(ppm)	TLV(ppm)	%(Optional)
Sodium hydroxide	1310-73-2	Corrosive	2 mg/m3	2 mg/m3	
Aluminum chips	7429-90-5	Irritant	15 mg/m3	5(fumes)/10(dusts)	

SARA Section 313 Title III Notification Required: No

SECTION 3 – PHYSICAL DATA

Appearance and Odor: Bluish white powder, Caustic odor.	Solubility in water: Complete	Vapor Pressure (mm Hg): N.D.	pH (Concentrate): N.D.
	Boiling Point: N.D.	Vapor Density (Air=1): N.D.	pH (1% Solution): 13.0
	Melting Point: N.D.	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

Flammable Limits LEL: N.A.
UEL: N.A.

Extinguishing Media: CO₂, water, dry chemical

Special Fire Fighting Procedures: Use full protective clothing and self-contained breathing apparatus. Thermal decomposition emits toxic fumes of oxides of phosphorous.

Unusual Fire & Explosion Hazards: In water solution, sodium hydroxide can react with amphoteric metals (such as aluminum) generating hydrogen which is flammable and/or explosive if ignited. This product contains aluminum chips.

SECTION 5 – REACTIVITY DATA

Chemical Stability: Stable: Unstable:

Conditions to Avoid: None known

Incompatibility (Materials to Avoid): Water and acids. Product is strong caustic alkali. May react violently with water, acid, and a number of organic compounds. Caustic reacts rapidly with aluminum, tin, zinc (galvanized), bronze, and brass.

Hazardous Polymerization: May Occur Will Not Occur

Hazardous Decomposition or By-Products: Product contains a limited amount of aluminum chips which will generate hydrogen on contact with water. The hydrogen is explosive and should be kept away from ignition sources.

SECTION 6 – HEALTH HAZARD DATA/FIRST AID PROCEDURES

Health Hazards (Acute and Chronic): Strongly alkaline; may cause burning to eyes and respiratory passages. Possible irritant to skin over prolonged periods of exposure.

Signs and Symptoms of Exposure: EYES: May cause severe irritation with corneal injury and result in permanent impairment of vision, even blindness. Dust may irritate eyes. SKIN: Short single exposure may cause severe skin burns. INGESTION: Dusts or mists may cause gastrointestinal irritation or ulceration, and severe burns of the mouth and throat. Single dose LD50 has not been determined. INHALATION: Dusts or mists may cause severe irritation or burns to upper respiratory tract.

Medical Conditions Aggravated by Exposure: Dermatitis

Carcinogenicity: IARC Monographs? Yes No

NTP? Yes No OSHA Regulated? Yes No

Emergency and First Aid Procedures:

Eyes: Flush with cool water for at least 30 minutes. You may have 10 seconds or less to avoid serious injury.

Skin: Wash immediately and thoroughly in flowing water for 30 minutes while removing contaminated clothing. Prompt medical consultation is essential. Wash contaminated clothes before reuse.

Inhalation: Remove from exposure. 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.

NOTE TO PHYSICIAN: Corrosive. May cause stricture. If lavage is performed, suggest endotracheal and/or esophagoscopy control. Material is strongly alkali. If burn is present, treat as any thermal burn, after decontamination. For burns of skin only eye irrigation may be necessary for an extended period of time to remove as much caustic as possible. Duration of irrigation and treatment is at the discretion of medical personnel. Use supportive care. No specific antidote.

SECTION 7 – PREVENTATIVE AND CONTROL MEASURES

Ventilation: Local Exhaust: To control below 2 mg/m3 TLV for sodium hydroxide.

Mechanical: To control below 2 mg/m3 TLV for sodium hydroxide.

Skin Protection: Use neoprene, rubber, or other chemical resistant gloves. Wear protective clothing to prevent repeated or prolonged exposure.

Eye Protection: Splash goggles, or safety glasses if splashing is not a concern.

Respiratory Protection: In general, respirators are not needed if the product is used in a well-ventilated area. However, a respirator is recommended when working with products where dusts and mists cause irritation of the eyes and/or mucous membranes.

Other Precautions: Keep out of the reach of children.

Steps to be Taken if Material is Spilled or Released: Only trained and properly protected personnel should be involved in spill cleanup operations. Acting cautiously, accidental spills of caustic soda beads must first be shoveled up. Then carefully flush the spill with water. Dilute acid, preferably acetic acid, may be used to neutralize only the final traces of caustic after flushing.

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. Prevent eye and skin contact. Do not breathe dusts or mists. Avoid storing next to strong acids. Caustic should be stored in clean, dry area. Do not store in underground tanks. Product absorbs water and carbon dioxide from the air. Keep containers closed and sealed.

SECTION 8 – OTHER REGULATORY INFORMATION

New Jersey, New York, and Pennsylvania State right-to-Know laws: Sodium hydroxide 1310-73-2

rev. 02/05/09

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.