Material Safety Data Sheet
and Safe Handling and Disposal Information

ENFORCER Products
A Division of Acuity Specialty Products Group, Inc.
P.O. Box 1060
Cartersville, GA 30120
1-888-805-HELP
www.zepcommercial.com

Section 1. Chemical Product and Company Identification

Product name **Heavy Duty Drain Opener**

Product Code **PHDO**

Date of issue **02/07/07** **Supersedes** 08/20/03

Emergency Telephone Numbers

For a Medical Emergency:
INFOTRAC
(877) 541-2016 (Toll Free - Calls Recorded)

For a Transportation Emergency:
CHEMTREC
(800) 424-9300 (Toll Free - Calls Recorded)

Printing Date:

Prepared by
Compliance Services Group
Acuity Specialty Products Group
1420 Seaboard Industrial Blvd.
Atlanta, GA 30318

Section 2. Composition, Information on Ingredients

Name of Hazardous Ingredients	CAS #	% by Weight	Exposure Limits
SODIUM HYDROXIDE; caustic soda; soda lye	1310-73-2	15-25	**ACGIH / OSHA (United States).** CEIL: 2 mg/m^3

Section 3. Hazards Identification

HMIS

Health	3
Fire Hazard	0
Reactivity	1
Personal Protection	n, p

Acute Effects **Routes of Entry** Eye contact. Dermal contact. Ingestion.

Skin Corrosive to skin on contact. Skin contact may produce burns.

Eyes Corrosive to eyes on contact. Direct contact with the eyes can cause irreversible damage including blindness.

Inhalation Inhalation of the vapor may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath.

Ingestion May be fatal if swallowed. May cause burns to mouth, throat and stomach.

Carcinogenic Effects Not listed as carcinogen by OSHA, NTP or IARC.

Chronic Effects Repeated or prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection.

See Toxicological Information (section 11)

Section 4. First Aid Measures

Eye Contact Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention immediately.

Skin Contact In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

Inhalation If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

Section 5. Fire Fighting Measures

Flash Point Not applicable **Flammable Limits** Not available.

Flammability Not available.

Fire Hazard Flammable hydrogen gas may be produced on prolonged contact with metals such as aluminum, tin, lead and zinc.

Fire-Fighting Procedures Use DRY chemicals, CO_2, water spray or foam.

Section 6. Accidental Release Measures

Spill Clean up Put on appropriate personal protective equipment (see Section 8). Absorb with an inert material and place in an appropriate waste disposal container. Finish cleaning the spill area with running water.

Section 7. Handling and Storage

Handling Use according to label directions. Never add water to this product. Do not get in eyes, on skin, or on clothing. Do not breathe vapor or mist. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

Storage Keep container tightly closed. Keep container in a cool, well-ventilated area. Store between 40°F and 120°F. Keep out of the reach of children. Do not reuse container. Separate from oxidizer, acids and food chemicals in storage.

Section 8. Exposure Controls, Personal Protection

Personal Protection

Eyes Splash goggles.

Body Protective gloves should be worn during handling.

Respiratory Use with adequate ventilation. Provide general or local exhaust ventilation as required.

Protective Clothing (Pictograms)

Section 9. Physical and Chemical Properties

Physical State Liquid.

pH >14 [Basic.]

Boiling Point 100°C (212°F)

Specific Gravity 1.26 (Water = 1)

Solubility Not available.

Color Colorless.

Odor Odorless.

Vapor Pressure Not available.

Vapor Density Not available.

Evaporation Rate 1 compared to Water

VOC (Consumer) 0 (g/l).

Section 10. Stability and Reactivity

Stability and Reactivity The product is stable.

Incompatibility May generate heat on contact with water or strong acids. Flammable hydrogen gas may be produced on prolonged contact with metals such as aluminum, tin, lead and zinc.

Hazardous Polymerization Will not occur.

Hazardous Decomposition Products None known.

Section 11. Toxicological Information

Toxicity to Animals **Sodium Hydroxide**:

ORAL (LD50): Acute: 500 mg/kg [Rat].

DERMAL (LD50): Acute: >2000 mg/kg [Rabbit].

Section 12. Ecological Information

Ecotoxicity Not available.

Biodegradable/OECD Not available.

Section 13. Disposal Considerations

Waste Information Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Waste Stream RCRA waste - D002

Consult your local or regional authorities.

Section 14. Transport Information

Proper shipping name Corrosive liquid, basic, inorganic, n.o.s. (Sodium hydroxide) or Consumer Commodity ORM-D in Limited Quantity

DOT Classification Class 8: Corrosive liquid.

UN number UN3266

TDG Classification TDG Class 8: Corrosive liquid.

Section 15. Regulatory Information

U.S. Federal Regulations SARA 313 toxic chemical notification and release reporting:

No products were found.

Clean Water Act (CWA) 311: Sodium hydroxide

Clean air act (CAA) 112 regulated toxic substances: No products were found.

All Components of this product are listed or exempt from listing on TSCA inventory.

State Regulations California prop. 65: No products were found.

WHMIS (Canada) Class D-1A: Material causing immediate and serious toxic effects (VERY TOXIC).
Class E: Corrosive liquid.

Section 16. Other Information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.