ProValue

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

Section 1. Chemical Product and Company Identification

Product name HEAVY-DUTY CLEANER & DEGREASER
Product Code PVHDC
Date of issue 11/17/06 **Supersedes**

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
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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	1 - 10	**ACGIH / OSHA (United States).** CEIL: 2 mg/m^3
ETHYLENE GLYCOL MONOBUTYL ETHER; 2-butoxyethanol; butyl cellosolve	111-76-2	1 - 10	**ACGIH TLV (United States).** TWA: 20 ppm 8 hour(s). **OSHA PEL (United States). Skin** TWA: 50 ppm 8 hour(s).

Section 3. Hazards Identification

HMIS

Health	3
Fire Hazard	0
Reactivity	0
Personal Protection	D

Acute Effects **Routes of Entry** Absorbed through skin. Eye contact. Inhalation. Ingestion.

Skin Corrosive to the skin. Skin contact may produce burns. Product may be dermally absorbed. The amount of tissue damage depends on length of contact.

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

Inhalation Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath. Over-exposure by inhalation may cause respiratory irritation. Can cause central nervous system depression.

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

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

Chronic Effects Overexposure of this product by inhalation or absorption can produce central nervous system depression resulting in headache, nausea and/or dizziness. Repeated or prolonged exposure to the substance can produce damage to blood, kidneys, liver, central nervous system (CNS). Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. 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

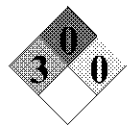
Eye Contact Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Check for and remove any contact lenses. Get medical attention immediately.

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 excessive quantities inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If symptoms persist, seek immediate medical attention.

Ingestion Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If affected person is conscious, give plenty of water to drink. Get medical attention immediately.

Section 5. Fire Fighting Measures



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

Flammability Not applicable.

Fire Hazard May emit toxic fumes under fire conditions.

Fire-Fighting Procedures Use DRY chemicals, CO_2, water spray or foam. Wear special protective clothing and positive pressure, self-contained breathing apparatus.

Section 6. Accidental Release Measures

Spill Clean up Absorb with an inert material and place in an appropriate waste disposal container. To clean the floor and all objects contaminated by this material, use detergent. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Section 7. Handling and Storage

Handling Avoid contact with eyes, skin and clothing. Do not ingest. Avoid breathing vapors or spray mists. Use only with adequate ventilation. Wash thoroughly after handling. Wash contaminated clothing before reusing. Do not reuse product container.

Storage Keep container tightly closed. Keep container in a cool, well-ventilated area. Store between 40°F - 120°F (4.4°C - 49°C). Keep out of the reach of children.

Section 8. Exposure Controls, Personal Protection

Personal Protection

Eyes Splash goggles. Face shield.

Body Wear appropriate protective clothing to prevent skin contact. Recommended: Neoprene gloves. Nitrile gloves. Latex gloves. Chemical resistant apron. Boots.

Protective Clothing (Pictograms)

Respiratory Use with adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Wear appropriate respirator when ventilation is inadequate.

Section 9. Physical and Chemical Properties

Physical State Liquid. (Clear to slightly hazy.)

pH 13.0-14.0

Boiling Point 98.9°C (210°F)

Specific Gravity 1.06 (Water = 1)

Solubility Easily soluble in cold water, hot water.

Color Purple.

Odor Ethereal.

Vapor Pressure Not determined.

Vapor Density >1 (Air = 1)

Evaporation Rate >1 compared to Water

VOC (Consumer) 42 (g/l). 3.98% 0.35 lbs/gal

Section 10. Stability and Reactivity

Stability and Reactivity The product is stable.

Incompatibility Reactive with oxidizing agents, metals, acids.

Hazardous Polymerization Will not occur.

Hazardous Decomposition Products carbon oxides (CO, CO_2)

Section 11. Toxicological Information

Toxicity to Animals

Sodium Hydroxide:

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

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

Ethylene Glycol Monobutyl Ether:

ORAL (LD50): Acute: 1746 mg/kg [Rat].

DERMAL (LD50): Acute: 680 mg/kg [Rabbit].

VAPOR (LC50): Acute: 450 ppm 4 hour(s) [Rat (Female)].

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 Code: - D002
Classification: - (Hazardous waste.)
Origin: - (RCRA waste.)

Consult your local or regional authorities.

Section 14. Transport Information

Proper shipping name	Corrosive Liquid, Basic, Inorganic, N.O.S. (Sodium Hydroxide)
DOT Classification	Class 8: Corrosive liquid.
UN number	3266
TDG Classification	TDG Class 8: Corrosive liquid.

Section 15. Regulatory Information

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

Ethylene Glycol Monobutyl Ether

Clean Water Act (CWA) 311: Sodium Hydroxide (RQ 1,000 lbs)

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-1B: Material causing immediate and serious toxic effects (TOXIC). Class D-2B: Material causing other toxic effects (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.