

MATERIAL SAFETY DATA SHEET

OSHA - Meets 29 CFR 1910.1200 Standards

ENERGEN OF CAROLINA, INC.

Cleaning Equipment
Industrial Chemicals

HMS HAZARD RATINGS

HEALTH	1	0 = INSIGNIFICANT	3 = HIGH
FLAMMABILITY	0	1 = SLIGHT	4 = EXTREME
REACTIVITY	0	2 = MODERATE	

TRANSPORTATION INFORMATION

PROPER SHIPPING NAME: Compounds, cleaning liquid (sodium hydroxide)
HAZARD CLASS / PKG GRP: 8 / III REF: 49 CFR 173.154, 203, 241
IDENTIFICATION NUMBER: NA 1760 LABEL: CORROSIVE

SECTION 1 - PRODUCT / COMPANY IDENTIFICATION

IDENTITY (AS USED ON LABEL AND LIST)

C C - 62 DEGREASER

Page 1 of 2

MANUFACTURER'S NAME

Energen of Carolina, Inc.

EMERGENCY TELEPHONE NUMBER

CHEM - TEL (800) 255-3924 Outside USA (813) 248-0585

ADDRESS (NUMBER, STREET, P.O. BOX)

834 Dupont Road

TELEPHONE NUMBER FOR INFORMATION

(843) 556-6506

(CITY, STATE AND ZIP CODE)

Charleston, SC 29407

DATE PREPARED: July 12, 2001

SUPERSEDES: May 26, 2001

SECTION 2 - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

HAZARDOUS COMPONENTS

(SPECIFIC CHEMICAL IDENTITY, COMMON NAME(S))

CAS #

%

(OPTIONAL)

OSHA PEL

PPM

MG/M³

ACGIH TWA

PPM

MG/M³

SARA

TITLE III

RQ

LBS

Sodium hydroxide (a,b)

1310-73-2

5 - 10

2 C

2 C

1000

(a) The Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) has notification requirements for releases or spills to the environment of the Reportable Quantity (RQ for this mixture = 13,000 lbs) or greater amounts, according to 40 CFR 302.

(b) A "C" in the OSHA PEL or ACGIH TWA column indicates ceiling limits, the concentration that should not be exceeded during any part of the working exposure.

SECTION 3 - HEALTH HAZARD DATA

ROUTES OF ENTRY - SIGNS AND SYMPTOMS OF EXPOSURE

INHALATION: Corrosive; may cause damage to upper respiratory tract, mucous membranes and lung tissue.

EMERGENCY AND FIRST AID PROCEDURES

Remove affected person to fresh air; wash mouth and nasal passages with water repeatedly; seek medical attention.

SKIN: Corrosive; chemical burns may result from contact; destructive to tissue.

Wash contacted area with soap and water; DO NOT attempt to neutralize with chemical agents; seek medical attention.

EYES: CORROSIVE; Vapors, liquid and mists are extremely corrosive to the eyes. Brief contact of the vapors will be severely irritating. Brief contact of the liquid or mists will severely damage the eyes; prolonged contact may cause permanent eye injury, may be followed by blindness.

Remove contact lenses. Immediately flush eyes for 15 minutes in clear running water while holding eyelids open; seek medical attention immediately.

INGESTION: Corrosive; may cause severe burns and tissue perforation to digestive tract and mucous membranes; may cause gastric distress, stomach pains and vomiting.

Drink large quantities of water or milk; give diluted vinegar or lemon juice to conscious person; DO NOT induce vomiting; seek medical attention immediately.

HEALTH HAZARDS (ACUTE AND CHRONIC): Corrosive to skin and eyes; prolonged inhalation of this product may cause ulcers to the upper respiratory tract; no long term health effects are known at this time; prolonged contact with the eyes may cause permanent eye injury which may be followed by blindness.

CARCINOGENICITY

NTP?

No

IARC MONOGRAPHS?

No

OSHA REGULATED?

No

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Preexisting skin, eye, or respiratory disorders may become aggravated through prolonged exposure.

Form revised 07/00

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Page 2 of 2

Date: July 12, 2001

SECTION 4 - FIRE FIGHTING MEASURES

FLASH POINT (METHOD USED)

Non-flammable

NFPA RATING

None

FLAMMABLE LIMITS

LEL: Not applicable

UEL: Not applicable

EXTINGUISHING MEDIA

Carbon dioxide, water, water fog, dry chemical, chemical foam

SPECIAL FIRE FIGHTING PROCEDURES

Keep containers cool with water spray to prevent container rupture due to steam buildup. floor will become slippery if material is released. CAUTION - material is corrosive.

UNUSUAL FIRE AND EXPLOSION HAZARDS

None

SECTION 5 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: CAUTION - CORROSIVE. Wash small spills to sanitary sewer. Large spills - confine spill, soak up with approved absorbent, shovel product into approved container for disposal. For spills in excess of allowable limits (RQ) notify the National Response Center (800) 424 - 8802; refer to CERCLA 40 CFR 302 for detailed instructions concerning reporting requirements.

SECTION 6 - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep container closed when not in use; protect containers from abuse; protect from extreme temperatures. CAUTION - material is corrosive. Keep this and other chemicals out of reach of children.

SECTION 7 - EXPOSURE CONTROLS / PERSONAL PROTECTION

RESPIRATORY PROTECTION (SPECIFY TYPE): None required while threshold limits (Section 2) are kept below maximum allowable concentrations; if TWA exceeds limits, NIOSH approved respirator must be worn. Refer to 29 CFR 1910.134 or European Standard EN 149 for complete regulations.

VENTILATION

LOCAL EXHAUST: Required

MECHANICAL (GENERAL): Yes

SPECIAL: To maintain minimum TWA and STEL levels.

OTHER: Engineering and work controls as required.

PROTECTIVE GLOVES: Neoprene or rubber gloves with cuffs.

EYE PROTECTION: Goggles with side shields; safety eyewash nearby.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Coveralls, apron, or other equipment should be worn to minimize skin contact.

WORK / HYGIENIC PRACTICES: Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general.

SECTION 8 - PHYSICAL / CHEMICAL PROPERTIES

BOILING POINT

212° F

SPECIFIC GRAVITY (WATER = 1)

1.070

VAPOR PRESSURE (MM Hg)

17 mm Hg @ 20 ° C

pH

13.6

VAPOR DENSITY (AIR = 1)

> 1

EVAPORATION RATE (WATER = 1)

< 1

SOLUBILITY IN WATER

Complete

% VOLATILE (BY WEIGHT)

89%

APPEARANCE AND ODOR

Brown liquid, characteristic odor

SECTION 9 - STABILITY AND REACTIVITY

STABILITY

UNSTABLE:

STABLE: XXX

CONDITIONS TO AVOID:

Extreme temperatures

INCOMPATIBILITY (MATERIALS TO AVOID):

Strong oxidizers, strong acids, strong alkalis

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Decomposition will not occur if handled and stored properly. In case of a fire, oxides of carbon, hydrocarbons, fumes, and smoke may be produced.

HAZARDOUS POLYMERIZATION

MAY OCCUR:

WILL NOT OCCUR: XXX

CONDITIONS TO AVOID:

None

SECTION 10 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of in accordance with Local, State, and Federal Regulations. Refer to 40 CFR Protection of Environment Parts 260 - 299 for complete waste disposal regulations for corrosive materials. Consult your local, state, or Federal Environmental Protection Agency before disposing of any chemicals.

The information contained herein is believed to be accurate but is not warranted to be so. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendor or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed.