

MATERIAL SAFETY DATA SHEET
Essentially similar to US Department of Labor Form OSHA-174

Ranger Chemicals, Inc.

SECTION I (PRODUCT IDENTIFICATION AND INFORMATION)

EMERGENCY PHONE: (800) 535-5053

USDA Approved

Trade Name: *Big Bear* Heavy Duty Cleaner Degreaser

Product / MSDS Code: 2065

DOT Shipping Name: Compound, Cleaning Liquid (containing sodium hydroxide solution), 8, NA1760, PGII

Date: 11/01/05 **Supersedes:** 11/25/96

NFPA Hazard Rating:

Health: 1
Fire: 0
Reactivity: 0
Special: N/A

HMIS Hazard Rating:

Health: 1
Flammability: 0
Reactivity: 0
Personal Protection: B*
*(see Section VII)

Hazard Rating Scale:

0=Minimal
1=Slight
2=Moderate
3=Serious
4=Severe

SECTION II (HAZARDOUS INGREDIENTS)

Chemical Name

2-butoxyethanol
anionic surfactant

CAS #

111-76-2
Mixture

OSHA PEL (ppm)

25
None established

ACGIH TLV (ppm)

25
None established

SECTION III (PHYSICAL / CHEMICAL CHARACTERISTICS)

Boiling Point

212° F

Specific Gravity

1.02

Vapor Pressure

N/A

Evaporation Rate

N/A

Vapor Density

1

Water Reactive

No

Solubility in Water

100%

pH

11.5 – 12.5

Appearance & Odor

Blue or Yellow Liquid
Butyl Odor

SECTION IV (FIRE AND EXPLOSION HAZARD DATA)

Flash Point (method used): N/A

Extinguishing Media: Non Combustible

Special Fire Fighting Procedures: Keep container cool with water

Unusual Fire and Explosion Hazards: None

SECTION V (REACTIVITY DATA)

Stability: Stable

Conditions to Avoid: N/A

Incompatibility (materials to avoid): N/A

Hazardous decomposition products: None Identified

Hazardous polymerization: Will not occur

Conditions to avoid: N/A

Manufactured By: Ranger Chemicals, Inc.
6531 Industrial Drive * Sachse, Texas 75048 * 800-688-6825
email: ranger@rangerchemicals.com

Ranger Chemicals, Inc.

MSDS #2065
SECTION VI (HEALTH HAZARD DATA)

Primary Routes of Exposure: Eye contact, skin absorption, ingestion, inhalation

Acute Effects of Overexposure: *Inhalation* – Irritating to the nose and throat. *Eye contact* – Corrosive to eyes. *Ingestion* – Can cause severe gastrointestinal irritation. *Skin contact* – Extremely irritating to skin causes reddening, dermatitis, dry skin.

Chronic Effects of Overexposure: None known.

Medical Conditions Generally Aggravated by Exposure: Persons with pre-existing dermatitis or sensitive skin may be more susceptible to the effects of this product.

Emergency First Aid Procedures: *Eye contact* – Flush with water for 15 minutes and see a physician. *Ingestion* – **DO NOT** induce vomiting. Drink large amounts of water and/or citrus juice. See a physician. *Skin contact* – Wash with soap and water, neutralize with vinegar and rinse with water. Remove contaminated clothing. *Inhalation* – Vapors not considered harmful under normal conditions.

This material is not considered to be a carcinogen by OSHA, NTP or IARC.

SECTION VII (PERSONAL PROTECTION)

<Letter Designations of Personal Protective Equipment:

A = Safety Glasses or Goggles

C = Safety Glasses or Goggles, Gloves, Synthetic Apron

B = Safety Glasses or Goggles, Gloves

D = Face Shield, Gloves, Synthetic Apron

Respiratory Protection: No special requirements

Protective Gloves: Rubber or plastic

Eye Protection: Safety glasses or splash goggles

Other Protective Clothing and Equipment: Apron and boots if desired.

Ventilation Requirements: Local exhaust is adequate

Hygienic Work Practice: Always wash hands thoroughly after using.

SECTION VIII (PRECAUTIONS FOR SAFE HANDLING AND USE / LEAK PROCEDURES)

Steps to be taken if material is spilled or released: Contain spill and neutralize with mild acid (vinegar). Absorb with inert substance for disposal.

Waste disposal methods: Dispose of in accordance with local, state and federal regulations. Do not reuse empty container. Triple rinse (or equivalent) before disposal.

Precautions to be taken in handling and storage: Store out of reach of children. Keep containers tightly closed.

Other precautions and / or special hazards: Always read label instructions carefully before using.

SECTION IX (SARA TITLE III, SECTION 313 SUPPLIER NOTIFICATION INFORMATION)

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40CFR 372:

Chemical Name:
2- butoxyethanol

CAS #
111-76-2

% By Weight:
4

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We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, expressed or implied.

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