

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

Trade Name: ***Bravo*** Steam Machine Carpet Shampoo
DOT Shipping Name: Compound, Cleaning, Liquid (Non-Regulated)

Product / MSDS Code: 6060
Date: 11/01/02 **Supersedes:** 12/11/95

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

CAS #
111-76-2

OSHA PEL (ppm)
25

ACGIH TLV (ppm)
25

SECTION III (PHYSICAL / CHEMICAL CHARACTERISTICS)

Boiling Point
vapor Pressure
Vapor Density
Solubility in Water
Appearance & Odor

212° F
N/A
1
100%
Thin Blue Liquid
Citrus Fragrance

Specific Gravity
Evaporation Rate
Water Reactive
pH

1.08
N/A
No
9.5 – 10.5

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 * 800-888-8825
email: rangerchemicals@yahoo.com

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SECTION VI (HEALTH HAZARD DATA)

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

Acute Effects of Overexposure: *Inhalation* – N/A. *Eye contact* – Mild irritation, blurred vision. *Ingestion* –Gastrointestinal irritation. *Skin contact* – Mild irritation, dermatitis.

Chronic Effects of Overexposure: None known.

Medical Conditions Generally Aggravated by Exposure: None identified.

Emergency First Aid Procedures: *Eye contact* – Flush with water for 15 minutes and see a physician if irritation persists. *Ingestion* – DO NOT induce vomiting. Drink large amounts of water and/or citrus juice. See a physician. *Skin contact* – Wash with soap and water. *Inhalation* – N/A.

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: No special requirements.

Ventilation Requirements: No special requirements

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: For small spills, wash down to sewer drains.

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:
3

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.