



HEAVY DUTY FLOOR CLEANER

MSDS No.:9112

MSDS Preparation Date: January 8, 2010

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MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name : **HEAVY DUTY FLOOR CLEANER**

Product Use : Cleaning agent

Chemical Family : Mixture

Supplier's name and address:

Rosco Laboratories Inc.

52 Harbor View Avenue
 Stamford, CT, United States
 06902

24 Hr. Emergency Tel # : (800) 424-9300

HMIS Rating : * - Chronic hazard 0 - Minimal 1 - Slight 2 - Moderate 3 - Serious 4 - Severe

Health: 1 *Flammability:* 0 *Reactivity:* 0

WHMIS Classes:



POISON



TOXIC

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredients</u>	<u>CAS #</u>	<u>% (weight)</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
			<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
2-Butoxyethanol	111-76-2	3.0 - 7.0	20 ppm TWA	N/Av	50 ppm TWA; 240 mg/m3 TWA	N/Av
Sodium metasilicate	6834-92-0	N/Av	N/Av	N/Av	N/Av	N/Av

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Blue liquid. Butyl odor. Harmful if inhaled or swallowed. May cause moderate to severe skin irritation. May cause severe eye irritation.

*****POTENTIAL HEALTH EFFECTS*****

Target organs : None reported by the manufacturer.

Routes of exposure : *Inhalation:* YES *Skin Absorption:* NO *Skin & Eyes:* YES *Ingestion:* YES

Potential acute health effects :

Eyes: Liquid causes severe inflammation of conjunctiva and may cause severe damage of the cornea.

Skin: Severe skin irritation. Redness. May be absorbed through the skin. Possible headache, nausea.

Inhalation: May cause mucous membrane irritation. Possible headache, nausea.

Ingestion: May cause mucous membrane irritation. May cause chemical burns of the mouth, throat, esophagus and stomach

Potential chronic health effects

: Contact dermatitis can result from prolonged overexposure.



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Medical conditions aggravated by overexposure

: None known or reported by the manufacturer.

Additional health hazards

: None reported by the manufacturer.

Potential environmental effects

: None reported by the manufacturer.

SECTION 4 - FIRST AID MEASURES

Inhalation

: If inhaled, move to fresh air. If irritation persists, seek prompt medical attention.

Skin contact

: Wash affected areas with soap and water. Remove and wash contaminated clothing before re-use. If irritation persists, seek prompt medical attention.

Eye contact

: Flush eyes thoroughly with running water for at least 20 minutes, holding eyelids open to ensure complete flushing. Consult a physician.

Ingestion

: Never give anything by mouth to an unconscious person. Dilute with large quantities of water or milk. Call a physician or Poison Control Centre immediately. Do not induce vomiting without medical advice.

Notes For Physician

: Treat symptomatically.

SECTION 5 - FIRE FIGHTING MEASURES

Fire hazards/conditions of flammability

: Not flammable under normal conditions of handling.

Flammability classification (OSHA 29 CFR 1910.1200)

: Not flammable.

Flash point

: N/Av

Flash point Method

: N/Av

Auto-ignition temperature : N/Av

Lower flammable limit (% by vol.)

: N/Av

Upper flammable limit (% by vol.)

: N/Av

Suitable extinguishing media

: Use media suitable to the surrounding fire such as water fog or fine spray, alcohol foams, carbon dioxide and dry chemical.

Explosion data: Sensitivity to mechanical impact / static discharge

: Not sensitive to static discharge or mechanical impact under normal conditions of use and handling.

Special fire-fighting procedures/equipment

: Firefighters should wear self-contained breathing apparatus (SCBA).

Hazardous combustion products

: Carbon monoxide and carbon dioxide from burning.

Oxidizing properties

: None.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions

: Wear suitable protective clothing (see Section 8).

Environmental precautions

: If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply.

Spill response/cleanup

: Absorb material with inert absorbent, and place into containers for disposal. Dispose in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.

Containment

: Dispose of in accordance with local regulations.

SECTION 7 - HANDLING AND STORAGE

Safe Handling procedures

: Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists. Keep containers tightly closed when not in use. Wash hands thoroughly after using this product, and before eating, drinking or smoking. Do not ingest.

Storage requirements

: Store in a cool, dry, well-ventilated area. Do not freeze. Inspect periodically for damage or leaks.



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Incompatible materials : Strong oxidizing agents and acids.

Special packaging materials : Liquid-proof glass, plastic or non-corrodible metal containers are recommended.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ventilation and engineering measures

: Use adequate ventilation in volume and pattern to maintain levels below those listed in Section II. Provide adequate cross air circulation. Ensure fresh air during application and drying (for example, by opening all windows and doors or using mechanical ventilation).

Respiratory protection : NIOSH-approved respirators are recommended.

Skin protection : Wear impervious gloves, such as neoprene or nitrile rubber.

Eye / face protection : Safety glasses with side-shields or chemical splash goggles.

Other protective equipment : Emergency showers and eyewash facilities should be nearby.

General hygiene considerations

: Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: Liquid.	Appearance	: Blue liquid.
Odor	: Butyl odor.	Odor threshold	: 2-butoxyethanol: 0.1 ppm (detectable) 0.35 ppm (recognizable)
pH	: 12.5	Specific gravity	: 1.040
Boiling point	: 99 - 100 °C	Coefficient of water/oil distribution	: Not available.
Melting/Freezing point	: -4 - 0 °C	Solubility in water	: Soluble
Vapor pressure (mmHg @ 20° C / 68° F)	: Not available.	Evaporation rate (n-Butyl acetate = 1)	: Equal to water
Vapor density (Air = 1)	: Heavier than air.	Volatiles (% by weight)	: Not available.
Volatile organic Compounds (VOC's) (lbs/gal; g/l)	: Not available.		
Viscosity	: Not available.		
Special Remarks On Fire Hazards	: Not flammable under normal conditions of use.		

SECTION 10 - REACTIVITY AND STABILITY DATA

Stability and reactivity : Stable under recommended storage conditions.

Hazardous polymerization : Will not occur.

Conditions to avoid : Extreme heat and high energy sources of ignition.

Materials To Avoid And Incompatibility : Strong oxidizing agents and acids.

Hazardous decomposition products : Thermal decomposition products include: Carbon dioxide and carbon monoxide.

SECTION 11 - TOXICOLOGICAL INFORMATION



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<u>Ingredients</u>	<u>LC₅₀(4hr)</u> <u>inh, rat</u>	<u>LD₅₀</u>	
		<u>oral</u>	<u>dermal</u>
2-Butoxyethanol	450 ppm	530 mg/kg	207 mg/kg
Sodium metasilicate	N/Av	600 mg/kg	>4640 mg/kg

- Toxicological data** : Low order of toxicity for normal industrial handling.
- Carcinogenic status** : No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.
- Reproductive effects** : Not expected to have other reproductive effects.
- Teratogenicity** : Not expected to be a teratogen.
- Mutagenicity** : Not expected to be mutagenic in humans.
- Reproductive Effects** : Not expected to have other reproductive effects.
- Irritancy** : May cause moderate to severe skin irritation. Possible severe eye irritation and tissue damage. Severe respiratory irritation (from vapors or mists) is possible.
- Sensitization to material** : Not expected to be a sensitizer.
- Synergistic materials** : None known.

SECTION 12 - ECOLOGICAL INFORMATION

- Environmental effects** : None known or reported by the manufacturer. However, it is recommended not to allow the material to enter the environment.
- Important environmental characteristics** : None known or reported by the manufacturer.
- Ecotoxicological** : No data is available on the product itself.

SECTION 13 - DISPOSAL CONSIDERATIONS

- Handling for Disposal** : See Section 7 (Handling and Storage) section for further details.
- Methods of Disposal** : Dispose in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.

SECTION 14 - TRANSPORTATION INFORMATION

Regulatory Information	UN Number	Shipping Name	Class	Packing Group	Label
TDG	None	Not regulated.	Not regulated	-None-	
TDG Additional information	None.				
49CFR/DOT	None	Not regulated.	Not regulated	-None-	
49CFR/DOT Additional information	None.				
ICAO/IATA	None	Not regulated.	Not regulated	-None-	
ICAO/IATA Additional information	None.				



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IMDG	None	Not regulated.	Not regulated	-None-	
IMDG Additional information	None.				

SECTION 15 - REGULATORY INFORMATION

US Federal Information:

TSCA: All listed ingredients appear on the Toxic Substances Control Act (TSCA) inventory.
 SARA Section 313: This material is not subject to SARA notification requirements, since it does not contain any Toxic Chemical Constituents above de minimus concentrations.

US State Right to Know Laws:

California Proposition 65: To the best of our knowledge, this product does not contain any chemicals known to the State of California to cause cancer or reproductive harm.

Canadian Regulations:

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).
 Canadian WHMIS Classification: D1A, D2B.

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

SECTION 16 - OTHER INFORMATION

- Legend** : ACGIH: American Conference of Governmental Industrial Hygienists
 IARC: International Agency for Research on Cancer
 N/Ap: not applicable
 N/Av: not available
 NIOSH: National Institute of Occupational Safety and Health
 NTP: National Toxicology Program
 OSHA: Occupational Safety and Health Administration
- References** : Information obtained from sources including original supplier's Material Safety Data Sheet, and references including RTECS and CCOHS Cheminfo.

<p><u>Prepared for:</u> Rosco Laboratories Inc. 52 Harbor View Avenue Stamford, CT, USA, 06902 Phone: (203) 708 8900 http://www.rosco.com/</p>	
<p><u>Prepared by:</u> ICC The Compliance Center Inc. Canada: 1-888-977-4834 USA: 1-888-442-9628 http://www.thecompliancecenter.com</p>	

DISCLAIMER OF LIABILITY

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