

# MATERIAL SAFETY DATA SHEET

## 1 PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** KRUD KUTTER® Concrete & Driveway Cleaner

**Synonyms:** Not applicable

**Molecular Formula:** Not applicable

**Molecular Weight:** Not applicable

**Supplier:**

Supreme Chemicals of Georgia, Inc.

1535 Oak Industrial Lane, Suite B

Cumming, GA 30041

USA

**Intended Use:** Cleaning Agent

**Emergency Telephone:**

(CHEMTREC) 800-424-9300

(Non-emergency Telephone) 800- 466-7126

## 2 HAZARDS IDENTIFICATION

### Emergency Overview

**Physical State:** Liquid

**Color:** Orange

**Odor:** Sweet

Low hazard for usual industrial, commercial or consumer handling practices.

### Potential Health Effects

**Inhalation:** Expected to be a low inhalation hazard.

**Eye Contact:** May cause transient irritation.

**Skin Contact:** May cause mild skin irritation in sensitive individuals. Exposure may cause transient redness, itching, and inflammation of skin.

**Ingestion:** Not expected to be an ingestion hazard with product use.

**Chronic Health Effects:** None known

**Target Organ(s):** Skin

**OSHA Regulatory Status:** Nonhazardous

**3 COMPOSITION / INFORMATION ON INGREDIENTS**

Active Ingredients	CAS-No.	Weight %
ethylene glycol monobutyl ether	111-76-2	< 6

**4 FIRST AID MEASURES**

**Inhalation:** If symptomatic, move to fresh air. Get medical attention if symptoms persist.

**Eye Contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention.

**Skin Contact:** Wash with soap and water. Get medical attention if symptoms occur.

**Ingestion:** If swallowed, DO NOT induce vomiting, unless directed by medical personnel. Get medical attention.

**5 FIRE-FIGHTING MEASURES**

**Extinguishing Media:** Water spray, dry chemical, carbon dioxide and alcohol foam

**Unsuitable Extinguishing Media:** Not applicable

**Special Fire Fighting Procedures:** Wear self-contained breathing apparatus and protective clothing.

**Unusual Fire & Explosion Hazards:** None known

**Hazardous Combustion Products:** Carbon oxides

**6 ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** Wear appropriate personal protective equipment. See Section 8.

**Spill Cleanup Methods:** Small Liquid Spills: Wipe up or use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

Large Spillages: Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Use water spray to reduce vapors or divert vapor cloud drift. Prevent entry into waterways, sewer, basements or confined areas.

**7 HANDLING AND STORAGE**

**Handling:** No special precautionary health measures should be needed under anticipated conditions of use. Wash thoroughly after handling.

**Prevention of Fire and Explosion:** None

**Storage:** Keep container closed. Store in original container. Keep out of reach of children.

<b>8</b>	<b>EXPOSURE CONTROLS / PERSONAL PROTECTION</b>
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**Industrial Exposures:****Exposure Limits:**

Chemical Name	Source	Type	Exposure Limits	Notes
2-Butoxyethanol (EGBE)	ACGIH	TWA	20 ppm	Irritation, CNS
2-Butoxyethanol	OSHA	TWA	50 ppm	Skin
2-Butoxyethanol	NIOSH	REL	5 ppm	Skin
2-Butoxyethanol	NIOSH	IDLH	700 ppm	Skin
2-Butoxyethanol	Cal OSHA	TWA	20 ppm	Skin
2-Butoxyethanol	Alberta	TWA	20 ppm	Skin
2-Butoxyethanol (EGBE)	British Columbia	TWA	20 ppm	Skin
2-Butoxyethanol	Ontario	TWAEV	20 ppm	Skin
2-Butoxyethanol	Quebec	TWA	20 ppm	Skin

**Engineering Controls:** Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne contaminants below established exposure limits.

**Respiratory Protection:** If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA Standard 63 FR 1152, January 8, 1998. Respirator type: Air-purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister. Contact health and safety professional or manufacturer for specific information.

**Eye Protection:** Wear splash goggles and a face shield where a splash hazard exists.

**Hand Protection:** Wear chemical-resistant gloves. Contact health and safety professionals for additional information.

**Skin Protection:** Wear protective clothing appropriate for the risk of exposure.

**Hygiene Measures:** Eye wash, washing facilities

<b>9</b>	<b>PHYSICAL AND CHEMICAL PROPERTIES</b>
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**Color:** Orange

**Odor:** Sweet

**Physical State:** Liquid

**pH:** No data available

**Boiling Point:** 212° C (413.6° F)

**Melting Point:** < -1.1° C (30° F)

**Flash Point:** None

**Evaporation Rate:** < 1 (Water = 1)

**Flammability:** None

**Flammability Limit – Upper (%):** Not applicable

**Flammability Limit – Lower (%):** Not applicable  
**Vapor Pressure:** 17 mm Hg (@ 20 °C) (68° F)  
**Vapor Density (Air=1):** 3.2  
**Specific Gravity:** 1.01  
**Solubility in Water:** Complete  
**Partition Coefficient (n-Octanol/water):** No data available  
**Autoignition Temperature:** Not applicable  
**Decomposition Temperature:** No data available  
**Volatile Organic Compounds (VOC):** 0%  
**Viscosity:** No data available  
**Percent Volatile:** 0 %

## 10 STABILITY AND REACTIVITY

**Stability:** Stable

**Conditions to Avoid:** None known

**Incompatible Materials:** Strong oxidizing agents

**Hazardous Decomposition Products:** Carbon oxides, nitrogen oxides

**Possibility of Hazardous Reactions:** Will not occur.

## 11 TOXICOLOGICAL INFORMATION

**Acute Toxicity** –Available upon request.

**Listed Carcinogens:** None

## 12 ECOLOGICAL INFORMATION

Krud Kutter® Concrete & Driveway Cleaner is non-toxic and biodegradable.

## 13 DISPOSAL CONSIDERATIONS

**General Information:** Dispose in accordance with applicable federal, state, and local regulations.

**Disposal Methods:** No specific disposal method required.

**Container:** Since emptied containers retain product residue, follow label warnings even after container is emptied.

## 14 TRANSPORT INFORMATION

**DOT:** Not regulated

**TDG:** Not regulated

**IATA:** Not regulated

**IMDG:** Not regulated

**15 REGULATORY INFORMATION**

**Canadian Controlled Products Regulations:** This product has been classified according to the hazard criteria of the Canadian Controlled Products Regulations, Section 33, and the MSDS contains all required information.

**WHMIS Classification:** Noncontrolled

**Mexico:** Nonhazardous

**Inventory Status**

**This product or all components are listed on the following inventory:** TSCA

**DSL Inventory:** No information available

**US Regulations**

**CERCLA Hazardous Substance List (40 CFR 302.4):**

Component	Reportable Quantity
Glycol ethers	--

**SARA Title III**

**Section 302**Extremely Hazardous Substance (40 CFR 355, Appendix A): None

**Section 311/312 (40 CFR 370):** None

**Section 313 Toxic Release Inventory (40 CFR 372):**

Component	CAS No.	Concentration
Certain glycol ethers	111-76-2	<6 %

**Clean Air Act (CCA) Section 112, 1990 Amendments, Statutory Hazardous Air Pollutants:** None

**Clean Air Act (CAA) Section 112(i) High-Risk Hazardous Air Pollutants (40 CFR 63.74):** None

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):** None

**Clean Water Act Section 307 Toxic Pollutants (40 CFR 401.15):** None

**Clean Water Act Section 311 Hazardous Chemical (40 CFR 116.4):** None

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3):** None

**Drug Enforcement Act:** None

**TSCA:** None

**State Regulations**

**California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):** None  
**Massachusetts Right-To-Know List:** 2-butoxyethanol  
**New Jersey Right-To-Know List:** 2-butoxyethanol

<b>16</b>	<b>OTHER INFORMATION</b>
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**Hazard Ratings**

	Health Hazard	Fire Hazard	Reactivity Hazard	Special Hazard
<b>NFPA</b>	1	0	0	None

	Health Hazard	Fire Hazard	Reactivity Hazard
<b>HMIS</b>	1	0	0

0 – Minimal; 1 – Slight; 2 – Moderate; 3 – Serious; 4 – Severe; \*- Chronic health effect

**Revision Information:** Revised all sections of the MSDS based on new toxicity data.

**Prepared by:** Supreme Chemicals of Georgia, Inc.

**Issue Date:** 08/10/07

**Supersedes Date:** 06/12/07

**Disclaimer:** 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.