

MATERIAL SAFETY DATA SHEET

1 PRODUCT AND COMPANY IDENTIFICATION

Product Name: KRUD KUTTER® GRAFFITI REMOVER

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

Emergency Telephone:

(CHEMTREC) 800-424-9300
(Non-emergency Telephone) 800- 466-7126

Intended Use: Cleaning agent to remove graffiti

2 HAZARDS IDENTIFICATION

Emergency Overview

Physical State: Liquid

Color: Clear

Odor: Sweet

WARNING!

May be harmful if inhaled, absorbed through skin, or swallowed.

May cause eye and skin irritation.

Mist or vapors may be irritating to the eyes, nose, throat and lungs.

Potential Health Effects

Inhalation: May be harmful; causes irritation. Exposure irritates the respiratory system and may cause asthmatic breathing and other systemic effects.

Eye Contact: May cause eye irritation. Exposure may cause eye tearing, redness, and discomfort.

Skin: May be harmful; May cause skin irritation. Exposure may cause redness, itching, inflammation and other systemic effects.

Ingestion: Not expected to be an ingestion hazard with prescribed use. Harmful. Exposure may cause vomiting, nausea, diarrhea or other systemic effects.

Chronic Health Effects: May cause blood disorders based on animal data. May cause liver damage based on animal data. May cause kidney damage based on animal data.

Target Organ(s): Eye, skin, blood, central nervous system, liver, kidney

OSHA Regulatory Status: Hazardous; **Consumer Product Use:** Exempt

3 COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous component	CAS-No.	Weight %
benzyl alcohol	100-51-6	< 25
ethylene glycol monobutyl ether	111-76-2	< 15

Components not listed are not hazardous or are below reportable limits

4 FIRST AID MEASURES

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Eye Contact: Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.

Skin Contact: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean contaminated shoes before reuse.

Ingestion: If swallowed, DO NOT induce vomiting, unless directed by medical personnel. Get medical attention. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person.

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: 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: Personal Precautionary Measures: Wear appropriate personal protective equipment. Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Do not taste or swallow. Use only with adequate ventilation. Wash thoroughly after handling.

Prevention of Fire and Explosion: None

Storage: Keep container closed. Keep out of reach of children.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:

Chemical Name	Source	Type	Exposure Limits	Notes
2-Butoxyethanol (EGBE)	ACGIH	TWA	20 ppm	Eye, upper respiratory irritation
2-Butoxyethanol	OSHA	TWA	50 ppm	Skin designation
2-Butoxyethanol	NIOSH	REL	5 ppm	Skin designation
2-Butoxyethanol	NIOSH	IDLH	700 ppm	Skin designation
2-Butoxyethanol	California OSHA	TWA	25 ppm	Skin designation
2-Butoxyethanol	Alberta	TWA	20 ppm	Skin designation
2-Butoxyethanol (EGBE)	British Columbia	TWA	20 ppm	Skin designation
2-Butoxyethanol	Ontario	TWAEV	20 ppm	Skin designation
2-Butoxyethanol	Quebec	TWA	25 ppm	Skin designation
2- Butoxyethanol	Mexico	TWA	26 ppm	Skin designation
Benzyl alcohol	AIHA OELs	WEELs	10 ppm	----

Engineering Controls: Not generally required when handling product. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended 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. Wear a full-face respirator, if needed.

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

Skin Protection: Wear disposable coveralls, lab coat, or apron to prevent skin contact.

9 PHYSICAL AND CHEMICAL PROPERTIES

Color: Clear
Odor: Sweet
Physical State: Liquid
pH: No data available
Boiling Point: 212 °C (413° F)
Melting Point: < 1.1 °C (< 30° F)
Flash Point: > 93.3° C (200° F)
Evaporation Rate: < 1 (Water = 1)
Flammability Limit – Upper (%): No data available
Flammability Limit – Lower (%): No data available
Vapor Pressure: 17 mm Hg (@ 20°C) (68° F)
Vapor Density (Air=1): 3.2
Specific Gravity: 1.0 – 1.02
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): 323.57 g/L
Viscosity: No data available
Percent Volatile: 30%

10 STABILITY AND REACTIVITY

Stability: Stable
Conditions to Avoid: None known
Incompatible Materials: Strong oxidizing agents, strong acids
Hazardous Decomposition Products: Carbon oxides
Possibility of Hazardous Reactions: Will not occur.

11 TOXICOLOGICAL INFORMATION

Toxicity data is available for the components upon request.

Chronic Toxicity: Ethylene Glycol Monobutyl Ether: Long term exposure may cause damage to blood, kidneys and liver.

Listed Carcinogens

Chemical Name	IARC	NTP	OSHA	ACGIH
2-Butoxyethanol 3-	Not classifiable in humans Limited data in animals	Not Listed	Not Listed	A3 – Confirmed animal carcinogen with unknown relevance to humans

12 ECOLOGICAL INFORMATION

Krud Kutter® Graffiti Remover is 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. Triple rinse containers and puncture containers before disposing into landfill.

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: D1A, D2B

Mexico (NOM-018-STPS-2000): Benzyl alcohol: 2-1-0-2; 2-Butoxyetanol: 2-2-0-3

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): Regulated as generic under certain glycol ethers

Section 311/312 (40 CFR 370):

Acute (Immediate) Chronic (Delayed) Fire Reactive Pressure Generating

Section 313 Toxic Release Inventory (40 CFR 372):

Component	CAS No.	Concentration
Certain glycol ethers	111-76-2	< 15%

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: Section 8(d) Health & Safety Data Reporting (40 CFR 716, Subpart B): 2-butoxyethanol

State Regulations

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): None

Massachusetts Right-To-Know List: 2- Butoxyethanol, benzyl alcohol

Minnesota Hazardous Substances List: 2- Butoxyethanol (EGBE), benzyl alcohol

New Jersey Right-To-Know List: 2-Butoxyethanol

Pennsylvania Right-To-Know Substances: 2-Butoxyethanol, benzyl alcohol

16	OTHER INFORMATION
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Hazard Ratings

	Health Hazard	Fire Hazard	Reactivity Hazard	Special Hazard
NFPA	2 1		0	

	Health Hazard	Fire Hazard	Reactivity Hazard
HMIS	2* 1		0

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

Revision Information: Updated all sections of the MSDS.

Prepared by: Supreme Chemicals of Georgia, Inc.

Issue Date: 06/12/10

Supersedes Date: 02/24/06

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.