

Material Safety Data Sheet

MSDS ID: SK-117D

***** Section 1 - Chemical Product and Company Identification *******Product Name: KRESTO® & KRESTO® Heavy Duty Hand Cleaner****Product Use:** Hand Cleanser**Manufacturer Information****Evonik Corporation**
2401 Doyle Street
Greensboro , NC 27406

Non-Emergency # 800-242-2271

Emergency # (800) 424-9300 CHEMTREC (North America)
Emergency # (703) 527-3887 CHEMTREC (International, call collect)

Emergency telephone numbers are to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving the product. All Non-emergency questions should be directed to the Toll Free, Non-Emergency number above.

***** Section 2 - Hazards Identification *******Emergency Overview**

No particular hazards known.

Potential Health Effects: Eyes

This product may cause slight irritation to the eyes.

Potential Health Effects: Skin

None.

Potential Health Effects: Ingestion

Seek medical attention.

Potential Health Effects: Inhalation

Prolonged inhalation may cause irritation and respiratory tract discomfort.

HMIS Ratings: **Health:** 1 **Fire:** 1 **Reactivity:** 0 **Pers. Prot.:** None required.

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

***** Section 3 - Composition / Information on Ingredients *****

CAS #	Component
52-51-7	1,3-Propanediol,2-bromo-2-nitro-

Component Information/Information on Non-Hazardous Components

This product is a cosmetic intended for personal use in the workplace and is thus regulated by FDA.

See container label regarding proper handling and use of this product.

Ingredients are listed in descending order of concentration on the container label.

For OSHA workplace hazards, investigate and read and understand component MSDS's before manufacturing.

Toxic Substances Control Act (TSCA): Exempt

Workplace Hazardous Materials Information System (WHIMS-Canada): Exempt-cosmetic hand cleanser

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*** Section 4 - First Aid Measures ***

First Aid: Eyes

In case of contact, immediately flush eyes with large amounts of water, continuing to flush for 15 minutes. If irritation persists get medical attention.

First Aid: Skin

Intended as a cosmetic hand cleaner.

First Aid: Ingestion

If material is swallowed, get medical attention or advice.

First Aid: Inhalation

If symptoms are experienced, remove source of contamination or move victim to fresh air.

*** Section 5 - Fire Fighting Measures ***

General Fire Hazards

None.

Upper Flammable Limit (UFL): Not determined

Lower Flammable Limit (LFL): Not determined

Method Used: Estimated

Flash Point: >200°F

Flammability Classification: Not Determined

Auto Ignition: Not determined

Hazardous Combustion Products

None identified.

Extinguishing Media

Dry chemical, foam, carbon dioxide, water fog.

Fire Fighting Equipment/Instructions

Firefighters should wear self-contained air supplied breathing apparatus in enclosed areas or in areas of heavy smoke or fumes.

NFPA Ratings: Health: 1 Fire: 1 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

*** Section 6 - Accidental Release Measures ***

Containment Procedures

Absorb spill with inert material.

Clean-Up Procedures

Absorb spill with inert material. Shovel material into appropriate container for disposal. Flush small residuals to the drain for normal biological wastewater treatment.

Evacuation Procedures

None.

Special Procedures

None.

*** Section 7 - Handling and Storage ***

Handling Procedures

Keep container closed. See container label for proper use.

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Storage Procedures

Protect from freezing or extreme heat.

*** Section 8 - Exposure Controls / Personal Protection ***

Exposure Guidelines

A: General Product Information

FDA regulated. For OSHA workplace hazards, investigate and read and understand component MSDS's before manufacturing.

B: Component Exposure Limits

No information is available.

Engineering Controls

None necessary.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Avoid eye contact.

Personal Protective Equipment: Skin

None.

Personal Protective Equipment: Respiratory

Not required for product end use.

Personal Protective Equipment: General

Obey reasonable safety precautions and practice good housekeeping.

*** Section 9 - Physical & Chemical Properties ***

Appearance: Beige paste	Odor: perfume fragrance (0.1-1%)
Physical State: liquid (Emulsion)	pH: 5.2 – 5.8
Vapor Pressure: 0.07 mm Hg	Vapor Density: Not Established
Boiling Point: >212 °F	Melting Point: 32° F
Solubility (H2O): approximately 25% soluble in water	Specific Gravity: 1.05 g/cc ³ minimum
Evaporation Rate: <1	Flash Point: >200°F (Estimated)
	Percent Volatile: 0% (Federal); LVP-VOC only (California)

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability

Stable under usual application conditions.

Chemical Stability: Conditions to Avoid

None.

Incompatibility

None identified.

Hazardous Decomposition

None identified.

Hazardous Polymerization

Hazardous polymerization will not occur.

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*** Section 11 - Toxicological Information ***

Acute and Chronic Toxicity

A: General Product Information

Adverse effects on human health are not to be expected in normal use.

B: Acute Toxicity-LD50/LC50

No LD50/LC50's are available for this product's components.

Carcinogenicity

A: General Product Information

Not listed by ACGIH, IARC, NIOSH, NTP OR OSHA.

B: Component Carcinogenicity

No information is available.

Other Toxicological Information

None.

*** Section 12 - Ecological Information ***

Ecotoxicity

A: General Product Information

No information available.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

No information available.

Environmental Fate

No information available.

*** Section 13 - Disposal Considerations ***

US EPA Waste Number & Descriptions

A: General Product Information

Controlled release of diluted product into a biological wastewater treatment plant.

B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

*** Section 14 - Transportation Information ***

International Transportation Regulations

This product is not regulated as a hazardous material by the United States (DOT) or Canadian (TDG) transportation regulations.

*** Section 15 - Regulatory Information ***

US Federal Regulations

A: General Product Information

Not regulated under the Clean Air Act, Not subject to TSCA regulation. Regulated as a personal use cosmetic by FDA.

B: Clean Air Act

No information is available.

C: Component Analysis

No information is available.

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D: Food & Drug Administration

None of the components in this product are listed by the FDA under regulations for Direct and Indirect Food Additives.

State Regulations

A: General Product Information

California: Volatiles are LVP -VOC's, fragrance is <2% exempt.

B: Component Analysis - State

None of this product's components are listed on the state lists from CA, FL, MA, MN, NJ, or PA.

Component Analysis - WHMIS IDL

No components are listed in the WHMIS IDL

Component Analysis Inventory

Component	CAS #	TSCA	CAN	EEC
1,3-Propanediol,2-bromo-2-nitro-	52-51-7	Exempt	DSL	EINECS

*** Section 16 - Other Information ***

Other Information

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text.

MSDS History

This is a revised MSDS. Section's 2 & 3 have been revised to reflect proposed 2004 ANSI Standards format recommendations for 2007 implementation.

1/14/09 Reviewed with no changes.

6/21/2012 Document updated

Key/Legend

LVP-VOC: Low Vapor Pressure -Volatile Organic Compound (California)

Contact: Product Compliance Officer

Contact Phone: (800) 242-2271

This is the end of MSDS #: SK-117D