
MATERIAL SAFETY DATA SHEET

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Revised 2/02/04
Replaces 8/12/03
Printed 2/03/04

NATRA KLEEN**MSDS ID: N0464**

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: NATRA KLEEN

Product Descriptor: NATURAL SOLVENT DETERGENT

MANUFACTURER: JOHNSON DIVERSEY, INC.

EMERGENCY PHONE NUMBER: (800) 851-7145

3630 E. KEMPER ROAD

CINCINNATI, OH. 45241

II. HAZARDOUS COMPONENTS

Component Name	CAS Number	%	Exposure Limits	Units
D-LIMONENE	5989-27-5	>30%	None Established	

III. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

WARNING - Product contains irritating or harmful chemicals which cause eye or skin irritation or burns. May be harmful if swallowed. Do not get product in eyes, on skin or clothing. Wear eye protection and rubber gloves to prevent skin contact when handling product. Wash after handling. Avoid breathing dust, vapors or product spray.

POSSIBLE ROUTES OF ENTRY: Ingestion; Skin contact/absorption and inhalation.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

ACUTE: EYES: Burns or severe irritation with pain, redness and swelling.

SKIN: Irritation with dryness or itching may develop with pain and redness. INGESTION: If swallowed, gastric distress, diarrhea, nausea and vomiting may occur. INHALATION: May cause irritation of respiratory tract.

CHRONIC: Same as acute effects.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Dermatitis or sensitive skin.

TARGET ORGAN(S) OF CHEMICAL HAZARD(S): Eyes, skin and stomach.

IV. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for 15 minutes. Get medical attention.

SKIN: Flush skin with plenty of water and wash with mild soap. If irritation develops, get medical attention.

INGESTION: If swallowed, rinse mouth with water. Dilute by drinking several glasses of water. DO NOT induce vomiting. If patient vomits, rerinse mouth. Get immediate medical attention. NOTE: Never give fluids by mouth to an unconscious person.

INHALATION: Remove to fresh air. If breathing difficulties arise, get medical attention.

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V. FIRE FIGHTING MEASURES

FLASH POINT (degrees F): 118.4 FLAME EXTENSION: N/A
FLAMMABLE LIMITS IN AIR BY VOLUME: LEL: 0.7% UEL: 6.1%
UNUSUAL FIRE OR EXPLOSIVE HAZARDS: COMBUSTIBLE. Avoid sparks or open flames.
Toxic fumes or vapor may form during fire.
EXTINGUISHING MEDIA: Water, water spray, CO2, foam or dry powder.
FIRE FIGHTING INSTRUCTIONS: Wear full protective gear and positive pressure breathing apparatus SCBA) in fire area.
SPECIAL INSTRUCTIONS: Spilled product may cause slippery surface and fall hazard.

VI. ACCIDENTAL RELEASE MEASURES

IF MATERIAL IS RELEASED OR SPILLED:
Turn off sources of ignition. Contain spill. Wear protective clothing. Soak up or absorb liquid on suitable absorbent material. Collect and place in chemical waste container. Dispose of in accordance with local, State and Federal regulations. Flush spill area with water.
This product does not contain a reportable quantity (RQ) under CERCLA.

VII. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: COMBUSTIBLE PRODUCT. Do not store near heat, sparks or open flames. Keep container closed when not in use. Product may accumulate a static charge. Use proper grounding during storage or emptying container.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE/FACE PROTECTION: Chemical goggles if contact or splash hazard exists. Face shields.
PROTECTIVE GLOVES: Solvent resistant.
RESPIRATORY PROTECTION: Not normally required.
OTHER PROTECTIVE CLOTHING/EQUIPMENT: Eyewash and safety shower in area if contact or splash hazard exists.
ENGINEERING CONTROLS:
VENTILATION: Good general ventilation should be sufficient to control airborne levels.

IX. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Clear orange liquid, orange odor.

BOILING POINT (DEG F): >338	FREEZING POINT: NA
SPECIFIC GRAVITY/BULK DENSITY: 0.85	
pH: 8.5	pH 1% SOLUTION: NA
VOLATILE BY VOLUME: 97	
SOLUBILITY IN WATER: Dispersable	
VAPOR PRESSURE(mmHg): 2 at 20	VAPOR DENSITY: 4.7

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X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Product stable.

INCOMPATIBILITY WITH OTHER MATERIALS: Oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS: Incomplete combustion forms; oxides of carbon

HAZARDOUS POLYMERIZATION: None known.

XI. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL TESTING: Toxicological testing has not been performed on the product. Listed below is the available toxicology test data for components of the product.

TOXICITY TEST DATA:

D-Limonene:

Acute Oral LD50 (rat) >5 gm/kg

Acute Dermal LD50 (rabbit) >5 gm/kg

Eye Irritation: severe

Skin Irritation: severe

Alcohol Ethoxylates (CAS# 68439-46-3):

Acute Oral LD50 (rat) 1.4 gm/kg

Acute Dermal LD50 (rabbit) 5 gm/kg

Eye Irritation (rabbit) Severe

Skin Irritation (rabbit) Draize 1.2 (4 hrs.)

XII. ECOLOGICAL INFORMATION

ECOTOXICITY TEST DATA:

No data available.

ENVIRONMENTAL FATE: No data available.

XIII. DISPOSAL CONSIDERATIONS

RCRA REGULATED: Product is considered D001 - ignitable, if declared hazardous waste

Spent or excess product is hazardous waste. Do not discharge to sewer or environment. Arrange disposal through a licensed disposal company or treat by special Waste Disposal Sheet. Recycle or dispose of containers by product labeling or governmental regulations.

XIV. TRANSPORT INFORMATION

Please refer to the Bill of Lading/receiving documents for up to date shipping information.

XV. REGULATORY INFORMATION

U.S. Federal Regulations:

TSCA: All ingredients in this product are on TSCA inventory.

HAPS: None

VOC CONTENT (EPA Method 24A): % VOC: 97 Lb/Gal VOC: 6.87

CERCLA/EPCRA:

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XV. REGULATORY INFORMATION (Cont.)

Section 313 Toxic Chemicals:

None

SARA Section 311/312:

ACUTE: YES CHRONIC: NO FIRE: YES REACTIVITY: NO
SUDDEN RELEASE OF PRESSURE: NO

LISTED CARCINOGEN: None

NTP: No IARC: No OSHA: No

HMIS RATINGS: HEALTH: 2 FIRE: 2 REACTIVITY: 0

PERSONAL PROTECTIVE EQUIPMENT: B

NFPA RATING: HEALTH: 2 FIRE: 2 REACTIVITY: 0 SPECIAL: None

STATE RIGHT-TO-KNOW INFORMATION:

d-LIMONENE - CAS #5989-27-5

LINEAR ALCOHOL ETHOXYLATE - CAS #68439-46-3

COCONUT FATTY ACID DIETHANOLAMIDE - 68603-42-9

CALIFORNIA PROPOSITION 65:

None of the ingredients are on the California proposition 65 list.

XVI. OTHER INFORMATION

Disclaimer: The information contained in this material safety data sheet is based on the knowledge of this specific product and current national legislation. It applies to the product as sold, use dilutions may be less hazardous. It may not be valid for this material if used in combination with any other materials or in a process. It is the user's responsibility to evaluate the handling, and use.