



I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 3870

PRODUCT NAME: NATRA KLEEN**USE:** Natural Solvent Detergent**SUPPLIER:**JohnsonDiversey Canada, Inc.
2401 Bristol Circle
Oakville Ontario, L6H 6P1, Canada**EMERGENCY PHONE:****1-800-668-7171****WHMIS CLASSIFICATION:** B3 D2B**CHEMICAL FAMILY:** not applicable**TRADE NAME / SYNONYMS:** not applicable**CHEMICAL NAME:** not applicable

II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
D-limonene	60-100	005989-27-5	LD50 4400 mg/kg	oral/rat
Alkyl polyoxyethylene glycol ether	1-5	068439-46-3	LD50 1400 mg/kg	oral/rat
Coconut diethanolamide	1-5	068603-42-9	LD50 2700 mg/kg	oral/rat

III - HANDLING AND DISPOSAL PROCEDURES

PERSONAL PROTECTIVE EQUIPMENT:**Gloves:** natural rubber or neoprene**Eye:** safety glasses**Footwear:** not required**Respiratory:** If mists are generated, use NIOSH approved mask**Other:** not required**SPECIAL HANDLING PROCEDURES AND EQUIPMENT:** Avoid eye and prolonged skin contact. Do not breathe mist or spray.**VENTILATION REQUIREMENTS:** mechanical exhaust**INCOMPATIBILITY (Material to Avoid):** oxidizing materials**SPILL PROCEDURES:** Ensure adequate ventilation. Wear protective equipment during clean up. Remove all sources of heat and ignition. SMALL SPILLS: Mop up or absorb on absorbent material and transport to outside area to allow evaporation of volatile compounds. LARGE SPILLS: Evacuate area. Dike to prevent spreading and pour liquid to intact, closed containers. Absorb residue on floor absorbent.**WASTE DISPOSAL:** Dispose according to municipal, provincial, and federal regulations.**STORAGE / SHIPPING REQUIREMENT:** Store in a cool dry area in a closed container.

IV - PHYSICAL PROPERTIES

APPEARANCE / ODOUR: Clear orange liquid - orange odour**S.G. / BULK DENSITY(g/cc):** 0.85**pH:** 8.5**VAPOUR PRESSURE (mmHg):** not available**VAPOUR DENSITY (air=1):** >1**ODOUR THRESHOLD:** not available**BOILING POINT:** >170°C**FREEZING POINT:** not available**PERCENT VOLATILE:** 90**SOLUBILITY IN WATER:** dispersable**EVAPORATION RATE (water=1):** >1

V - TOXICOLOGICAL PROPERTIES

EFFECTS OF ACUTE EXPOSURE TO MATERIAL:**EYES:** May cause severe irritation. May cause temporary or permanent damage if not treated promptly.**SKIN:** May cause irritation. May cause defatting, drying and cracking of skin.**INGESTION:** May cause severe irritation of the digestive tract.

INHALATION: May cause irritation.	
LD50 (calculated): 3985 mg/kg	LC50 (calculated): not available
OTHER TOXIC EFFECTS: none known	
EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: none known	
VI - FIRST AID MEASURES	
EYES: Flush eyes with plenty of water for at least 15 minutes. Hold eyelids open while rinsing. Contact a physician. SKIN: Flush affected area thoroughly with water. If irritation develops, contact a physician. INGESTION: Induce vomiting. Never give anything by mouth to an unconscious patient. Contact a physician immediately. INHALATION: Remove patient to fresh air.	
VII - FIRE AND EXPLOSION DATA	
FLAMMABLE: Yes, ignited by spark or open flame.	
FLASH POINT, °C: 48°C (Pensky-Martens)	AUTO IGNITION TEMPERATURE, °C: N/Ap
EXTINGUISHING MEDIA: Water ☒ Dry Chemical ☒ Carbon Dioxide ☒ Foam ☒ Other ☐	
SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus.	
HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon, nitrogen.	
EXPLOSIVE SENSITIVITY TO: not applicable	
VIII - REACTIVITY DATA	
STABILITY: Stable ☒ Unstable ☐	
CONDITIONS TO AVOID: high temperature	
INCOMPATIBILITY (Material to Avoid) : oxidizing materials	
HAZARDOUS DECOMPOSITION PRODUCTS: oxide of carbon	
REACTIVITY: not dangerously reactive	
IX - MSDS PREPARATION	
SOURCES USED: ChemInfo, RTECS	PREPARED BY: JohnsonDiversey Canada, Inc. Regulatory Department Industrial Division Phone (905) 829-1200
PREPARATION DATE: June 26, 2003	
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