



MATERIAL SAFETY DATA SHEET

PRODUCT IDENTIFICATION

PRODUCT NAME: KLEEN COIL
PART #: KN1GNC

(HMIS RATINGS)
HEALTH: 1
FIRE: 0
REACTIVITY: 0

PRODUCT INFORMATION (800) 262-0012	MEDICAL EMERGENCY (856) 455-4555
TRANSPORTATION EMERGENCY CHEMTREC (800) 424-9300	DISTRIBUTOR / MANUFACTURER NATIONAL REFRIGERANTS, INC. 661 KENYON AVE. ROSENHAYN, NJ

HAZARDOUS INGREDIENTS

	<u>CAS #</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>% of Range</u>
ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2	25 PPM	25PPM	<15
DODECYLBENZENE SULFONIC ACID	27176-87-0	NE	NE	<15

HAZARDS IDENTIFICATIONS

ROUTE (S) OF ENTRY: EYES YES SKIN YES INGESTION YES INHALATION YES

EFFECTS OF OVER EXPOSURE: DERMATITIS MAY DEVELOP WITH REPEATED EXPOSURE.

INHALATION: IRRITATION OF NASAL PASSAGES MAY OCCUR.

EYES: IRRITATION DEVELOPS ON CONTACT.

INGESTION: NAUSEA, TOXIC IF INGESTED.

CARCINOGENITY: NO

NTP? NOT LISTED IARC ? NOT LISTED

OSHA REGULATED? SEE HAZARDOUS INGREDIENTS FOR EXPOSURE.

FIRST AID MEASURES

INHALATION: Move to fresh air. IF BREATHING STOPS, START ARTIFICIAL RESPIRATION, GET MEDICAL IMMEDIATE ATTENTION.

EYE CONTACT: Wash with plenty of water for 15 min. GET IMMEDIATE MEDICAL ATTENTION if rash or persistent irritation develops.

INGESTION: Drink water. DO NOT induce vomiting. SEEK IMMEDIATE MEDICAL ATTENTION.



FIRE FIGHTING MEASURES

FLAMMABILITY as per CPSC FLAME EXTENTION TEST: **FLASH POINT:** NOT COMBUSTIBLE
UNUSUAL FIRE & EXPLOSION HAZARDS: AVOID MIXING WITH ACIDS AND SOFT METALS.

ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED:
PICK UP WITH ABSORBENT MATERIAL, PLACE IN A CONTAINER THAT IS IMPERVIOUS TO THIS MATERIAL.

HANDLING AND STORAGE

KEEP CONTAINER CLOSED WHEN NOT IN USE.

EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION REQUIREMENTS: IF VAPORS ARE DETECTED, VENTILATE WORK AREA BY
OPENING WINDOWS / DOORS, UTILIZING EXHAUST FANS, ETC.
MAKE SURE VAPORS ARE DIRECTED AWAY FROM WORKERS.

PERSONAL PROTECTION:

RESPIRATORY: KEEP FACE AWAY FROM SPRAY MIST. DO NOT BREATH VAPORS.

EYE: USE TIGHT FITTING, SPLASH PROOF SAFETY GOGGLES. CONTACT LENSES SHOULD NOT BE WORN WHEN HANDLING THIS MATERIAL.

SKIN: WEAR IMPERVIOUS CLOTHING AND FOOTWEAR TO PREVENT ALL SKIN CONTACT. USE OF FACESHIELD IS RECOMMENDED.

GLOVES: CHEMICAL RESISTANT RUBBER/NEOPRENE.

OTHER: AVOID CONTACT WITH EYES, SKIN, AND CLOTHING. WASH HANDS THOROUGHLY AFTER HANDLING.

PHYSICAL AND CHEMICAL PROPERTIES

VAPOR PRESSURE (mm Hg): ND

SPECIFIC GRAVITY (H₂O =1): 1.02

SOLUBILITY IN WATER: COMPLETE

Ph: 11-12.5 @ 20 deg. C

APPEARANCE AND ODOR: CLEAR GREEN LIQUID, CHEMICAL ODOR

VAPOR DENSITY (AIR=1): ND

EVAPORATION RATE (H₂O=1): 1.0

MELTING POINT: NA

BOILING POINT: 212 deg. F



STABILITY AND REACTIVITY

STABILITY: STABLE
MATERIALS TO AVOID: ACIDS AND ACID PRODUCTS.
HAZARDOUS DECOMPOSITION PRODUCTS: HEAT
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

DISPOSAL CONSIDERATIONS

DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE & FEDERAL REGULATIONS.

TRANSPORTATION INFORMATION

DOT: NOT REGULATED

REGULATORY INFORMATION

302 (EXTREMELY HAZARDOUS SUBSTANCES): REPORTING NOT REQUIRED
304/CERCLA (SPILLS NOTIFICATION): REPORTING NOT REQUIRED
311 (COMMUNITY RIGHT-TO-KNOW): REPORTING NOT REQUIRED
312 (RTK INVENTORY DATA): REPORTING NOT REQUIRED
313 (EMISSION AND RELEASES): REPORTING NOT REQUIRED

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DATE OF LATEST REVISION/REVIEW: 10/09
PERSON RESPONSIBLE FOR MSDS: Ray Madariaga