

# MATERIAL SAFETY DATA SHEETS

### PRODUCT IDENTIFICATION

PRODUCT NAME: MULTI-KLEEN

PART #: MK1GNC

(HMIS RATINGS)

HEALTH: 3

FIRE: 0 REACTIVITY: 1

PRODUCT INFORMATION

MEDICAL EMERGENCY

(800) 262-0012

(856) 455-4555

TRANSPORTATION EMERGENCY CHEMTREC (800) 424-9300

DISTRIBUTOR / MANUFACTURER

NATIONAL REFRIGERANTS, INC.

661 KENYON AVE. ROSENHAYN, NJ

#### **HAZARDOUS INGREDIENTS**

	CAS#	OSHA PEL	ACGIH TLV	% of Range
POTASSIUM HYDROXIDE 45% SODIUM METASILICATE SODIUM XYLENE SULFONATE TALL OIL FATTY ACID SURFACTANT	1310-58-3 6834-92-0 1300-72-7 61790-12-3 68439-46-3	NE NE NE NE NE	2MG/M3 NE NE NE NE NE	<20 <10 <10 <10 <10

#### HAZARDS IDENTIFICATIONS

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

EFFECTS OF OVER EXPOSURE: VERY CORROSIVE TO SKIN, EYES & MUCOUS MEMBRANES;

CAUSES DEEP IMMEDIATE BURNS, MAY CAUSE BLINDNESS.

INHALATION: IRRITATION OF NASAL PASSAGES. EYES: CORROSIVE TO EYES/BLINDNESS MAY OCCUR. **INGESTION:** NAUSEA, CORROSIVE TO DIGESTIVE TRACT.

**CARCINOGENITY: NO** 

NTP? NOT LISTED IARC? NOT LISTED

OSHA REGULATED? SEE HAZARDOUS INGREDIENTS FOR EXPOSURE.

#### FIRST AID MEASURES

Move to fresh air. IF BREATHING STOPS, START ARTIFICAL RESPIRATION, INHALATION:

GET MEDICAL IMMEDIATE ATTENTION.

Wash with plenty of water for 15 min. GET IMMEDIATE MEDICAL ATTENTION. EYE CONTACT: SKIN CONTACT: Neutralize with very dilute vinegar solution, wash with soap and water, apply skin cream.

For large burns - GET IMMEDIATE MEDICAL ATTENTION

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

NOTE: VOMITTING MAY CAUSE ASPIRATION OF MATERIAL TO LUNGS CAUSING

PULMONARY EDEMA.

#### 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.



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#### ACCIDENTAL RELEASE MEASURES

#### STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED:

PICKUP WITH ABSORBENT MATERIAL, PLACE IN LEAK PROOF CONTAINERS FOR PROPER DISPOSAL.

#### HANDLING AND STORAGE

KEEP CONTAINER CLOSED WHEN NOT IN USE.

#### EXPOSURE CONTROLS/PERSONAL PROTECTION

**VENTILATION REQUIREMENTS:** IF VAPORS ARE DETECTED, VENTILATE WORK AREA USING EXHAUST FANS. MAKE SURE VAPORS ARE VENTED 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): 12.4 VAPOR DENSITY (AIR=1): 0.4 SPECIFIC GRAVITY (H2O =1): 1.12 EVAPORATION RATE (H2O=1): 1.0

SOLUBILITY IN WATER: COMPLETE MELTING POINT: NA
Ph: 12-14.0 @ 20 deg. C BOILING POINT: 212 deg. F
APPEARANCE AND ODOR: CLEAR YELLOW LIQUID, TALL OIL ODOR

#### 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.



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#### TRANSPORTATION INFORMATION

**DOT:** UN3266, CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. , 8, PGIII, (CONTAINS POTASSIUM HYDROXIDE

#### REGULATORY INFORMATION

302 (EXTREMELY HAZARDOUS SUBSTANCES): REPORTING NOT REQUIRED

**304/CERCLA** (SPILLS NOTIFICATION): REPORTING REQUIRED FOR SPILLS ABOVE THE RQ.

POTASSIUM HYDROXIDE IS LISTED BY CERCLA. SPILLS IN EXCESS OF 1000 LBS. EACH MUST BE

REPORTED.

311 (COMMUNITY RIGHT-TO-KNOW): REPORTING REQUIRED, ACUTE AND CHRONIC

HEALTH HAZARD, CORROSIVE, TOXIC.

312 (RTK INVENTORY DATA): REPORTING REQUIRED FOR INVENTORIES ABOVE

TPQ.

313 (EMISSION AND RELEASES): REPORTING NOT REQUIRED.

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