



## MATERIAL SAFETY DATA SHEET

### PRODUCT IDENTIFICATION

**PRODUCT NAME:** ALKA KLEEN  
**PART #:** AN1GNC

(HMIS RATINGS)  
HEALTH: 3  
FIRE: 0  
REACTIVITY: 1  
HMIS PROTECTIVE EQUIPMENT: X See your supervisor

<b>PRODUCT INFORMATION</b> (800) 262-0012	<b>MEDICAL EMERGENCY</b> (856) 455-4555
<b>TRANSPORTATION EMERGENCY</b> CHEMTREC (800) 424-9300	<b>DISTRIBUTOR / MANUFACTURER</b> 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>
SODIUM HYDROXIDE 50%	1310-73-2	2mg/m3	2mg/m3	<50

### HAZARDS IDENTIFICATIONS

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

**EFFECTS OF OVER EXPOSURE:** VERY CORROSIVE TO SKIN, EYES, AND MUCOUS MEMBRANES; CAUSES DEEP IMMEDIATE BURNS, MAY CAUSE BLINDNESS.

**INHALATION:** IRRITATION TO NASAL PASSAGES.

**SKIN CONTACT/ABSORPTION:** SEVERE BURNS TO EXPOSED SKIN.

**INGESTION:** NAUSEA, CORROSIVE TO DIGESTIVE TRACT.

**CARCINOGENITY:** NO

NTP? NOT LISTED IARC ? NOT LISTED OSHA REGULATED? See Hazardous Ingredients Section

### FIRST AID MEASURES

**INHALATION:** Remove to fresh air. If breathing stops, start artificial respiration, GET IMMEDIATE MEDICAL ATTENTION.

**EYE CONTACT:** Flush eyes with water for 15 minutes. GET IMMEDIATE MEDICAL ATTENTION.

**SKIN CONTACT:** Neutralize with very dilute vinegar solution, wash with soap and water & apply skin cream. For large burns - GET IMMEDIATE MEDICAL ATTENTION.

**INGESTION:** Drink water. DO NOT INDUCE VOMITING. SEEK IMMEDIATE MEDICAL ATTENTION.

**NOTE:** Vomiting 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.



## 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

**HANDLING:** 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 BREATHE 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 FACE SHEILD IS RECOMMENDED.

**GLOVES:** USE CHEMICAL RESISTANT RUBBER/NEOPRENE.

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

## PHYSICAL AND CHEMICAL PROPERTIES

**VAPOR PRESSURE (mm Hg):** N/D

**VAPOR DENSITY (AIR=1):** N/D

**SPECIFIC GRAVITY (H<sub>2</sub>O =1):** 1.25

**EVAPORATION RATE (H<sub>2</sub>O=1):** N/D

**SOLUBILITY IN WATER:** COMPLETE

**MELTING POINT:** NA

**Ph** 12 – 14.0 @ 20 deg. C

**BOILING POINT:** 212 DEG. F

**APPEARANCE AND ODOR:** CLEAR PURPLE LIQUID, CHEMICAL 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.



**TRANSPORTATION INFORMATION**

**DOMESTIC--OTHER THAN AIR (DOT)**

<u>PROPER SHIPPING NAME:</u>	Corrosive Liquid, Basic, Inorganic, N.O.S. (Sodium Hydroxide)
<u>HAZARD CLASS:</u>	8
<u>UN NUMBER:</u>	UN3266
<u>PACKING GROUP:</u>	PG II

**REGULATORY INFORMATION**

- 302 (EXTREMELY HAZARDOUS SUBSTANCES):** REPORTING NOT REQUIRED
- 304/CERCLA (SPILLS NOTIFICATION):** REPORTING REQUIRED FOR SPILLS ABOVE RQ. SODIUM HYDROXIDE IS LISTED BY CERCLA. SPILLS IN EXCESS OF 1000 LBS. EACH MUST BE REPORTED
- 311 (COMMUNITY RIGHT-TO-KNOW):** REPORTING REQUIRED. ACUTE & CHRONIC HEALTH HAZARD, CORROSIVE, TOXIC
- 312 (RTK INVENTORY DATA):** REPORTING REQUIRED FOR INVENTORIES ABOVE THRESHOLD PLANNING QUANTITY
- 313 (EMISSION AND RELEASES):** REPORTING NOT REQUIRED

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