



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

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>
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.



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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 (H₂O =1): 1.25

EVAPORATION RATE (H₂O=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.



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TRANSPORTATION INFORMATION

DOMESTIC--OTHER THAN AIR (DOT)

PROPER SHIPPING NAME: Corrosive Liquid, Basic, Inorganic, N.O.S. (Sodium Hydroxide)
HAZARD CLASS: 8
UN NUMBER: UN3266
PACKING GROUP: 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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DATE OF LATEST REVISION/REVIEW: 10/09
 PERSON RESPONSIBLE FOR MSDS: Ray Madariaga