



## MATERIAL SAFETY DATA SHEET

### PRODUCT IDENTIFICATION

**PRODUCT NAME: ALKA KLEEN**  
**PART #: AN1GN, AN2GN, AN55GN**

(NFPA 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

**OSHA HAZARDOUS COMPONENTS (29CFR 1910.1200)**

**EXPOSURE LIMITS: 8 HR. TWA**

	<u>CAS #</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
SODIUM HYDROXIDE	1310-73-2	CL 2mg/m3	CL 2mg/m3

### HAZARDS IDENTIFICATIONS

**EMERGENCY OVERVIEW:** DANGER! CORROSIVE TO ALL BODY TISSUES. AVOID CONTACT WITH SKIN OR EYES. HARMFUL IF INHALED OR SWALLOWED.

**POTENTIAL HEALTH EFFECTS:**

**INHALATION:** INHALATION OF VAPOR OR MIST IS CORROSIVE TO RESPIRATORY TRACT.

**EYE CONTACT:** LIQUID OR VAPORS ARE CORROSIVE TO EYES

**SKIN CONTACT:** LIQUID OR VAPORS ARE CORROSIVE TO SKIN

**INGESTION:** TOXIC. MAY CAUSE SEVERE DAMAGE, PERFORATION AND SCARRING OF GASTROINTESTINAL TRACT.

**CHRONIC EFFECTS:** CHEMICAL PNEUMONITIS.

**CARCINOGENITY:** LISTED IN NTP? NO IARC ? NO OSHA REGULATED? NO

### FIRST AID MEASURES

**INHALATION:** Remove victim to fresh air and if needed, immediately begin artificial respiration. Give oxygen if breathing is labored. Get emergency medical help. Contact a physician immediately.

**EYE CONTACT:** Flush eyes with water for 15 minutes. Get medical attention if symptoms develop and persist.

**SKIN CONTACT:** Flush with water or soap and water for 15 minutes or until all traces have been removed. Seek medical attention if symptoms develop and persist.

**INGESTION:** DO NOT INDUCE VOMITING. Get immediate medical attention.



### FIRE FIGHTING MEASURES

**FLASH POINT (F):** NONE

**FLAMMABILITY LIMIT:** LOWER N/A            UPPER N/A

**AUTOIGNITION TEMPERATURE:** N/A

**GENERAL HAZARD:** TOXIC FUMES OF Na<sub>2</sub>O, SO<sub>x</sub>

**FIRE FIGHTING INSTRUCTIONS:** APPROACH FIRE FROM UPWIND SIDE. AVOID BREATHING SMOKE, FUMES, MIST, OR VAPORS ON THE DOWNWIND SIDE. FIREFIGHTERS WEAR PROTECTIVE CLOTHING AND SELF-CONTAINED BREATHING APPARATUS.

**EXTINGUISHING MEDIA:** DRY POWDER, CARBON DIOXIDE (CO<sub>2</sub>), WATER FOG OR SPRAY.

**HAZARDOUS COMBUSTION PRODUCTS:** SMOKE, TOXIC FUMES OF Na<sub>2</sub>O, CO, CO<sub>2</sub>, SO<sub>x</sub>.

### ACCIDENTAL RELEASE MEASURES

**LAND SPILL:**

FLUSH TO SEWER WITH LARGE AMOUNTS OF WATER, AT LEAST 10 PARTS WATER TO 1 PART CLEANER. LARGE SPILLS: PICK UP WITH ABSORBENT MEDIA, VACUUM TRUCK OR PUMP. PLACE IN NON-LEAKING CONTAINERS FOR PROPER DISPOSAL OR SALVAGE. NOTIFY PROPER LOCAL, STATE AND FEDERAL AUTHORITIES.

**WATER SPILL:** NOTIFY PROPER AUTHORITIES. CLEAN UP LEAKS/SPILLS IMMEDIATELY TO PREVENT SOIL OR WATER CONTAMINATION.

### HANDLING AND STORAGE

**HANDLING:** AVOID CONTACT WITH SKIN, EYES, AND CLOTHING. AFTER HANDLING THIS PRODUCT, WASH HANDS BEFORE EATING, DRINKING OR SMOKING. IF CONTACT OCCURS, REMOVE CONTAMINATED CLOTHING. IF NEEDED, TAKE FIRST AID ACTION SHOWN ABOVE. LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE.

**STORAGE:** STORE AWAY FROM STRONG ACID, ACIDIC MATERIALS.

### EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING CONTROLS:** LOCAL EXHAUST RECOMMENDED.

**PERSONAL PROTECTION:** WEAR CHEMICAL GLOVES, IMPERVIOUS GLOVES AND FULL FACE SHEILD. USE BOOTS, APRONS, DRENCH SHOWERS AND EYEWASH AS NEEDED FOR PROTECTION AGAINST SPILLS AND/OR SPLASHES.

### PHYSICAL AND CHEMICAL PROPERTIES

**VAPOR PRESSURE:** ND

**VAPOR DENSITY (AIR=1):** >1

**SPECIFIC GRAVITY:** 1.2

**EVAPORATION RATE:** (N-BUTYL ACETATE=1): <1

**SOLUBILITY IN WATER:** COMPLETE

**VOC (G/L):** NA

**Ph** 13.5 – 14.0

**FREEZING POINT:** ND

**BOILING POINT:** 212 DEG. F

**APPEARANCE AND ODOR:** PURPLE FOAM, BLAND ODOR

### STABILITY AND REACTIVITY

**STABILITY:** STABLE

**CONDITIONS TO AVOID:** HIGH TEMPERATURES

**MATERIALS TO AVOID:** STRONG ACIDS, ACIDIC MATERIALS

**HAZARDOUS DECOMPOSITION PRODUCTS:** FROM COMBUSTION: SMOKE, CARBON MONOXIDE, CARBON DIOXIDE, OXIDES OF SULFUR, Na<sub>2</sub>O.

**HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR

