

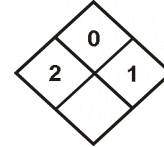
MATERIAL SAFETY DATA SHEET

PRODUCT ALK-20



NFPA HAZARD RATINGS*

Health	2	Moderate health hazard
Fire	0	Noncombustible
Stability	1	Slightly instable



SECTION 1: PRODUCT INFORMATION

Manufacturer: ADCO Cleaning Products LLC, 900 W. Main, Sedalia, MO 65301 (660) 826-3300
 EMERGENCY TELEPHONE NUMBERS: CHEMTREC (800) 424-9300 24 HRS 7 DAYS A WEEK; ADCO (800) 821-7556 (8-5 M-F)
 Intended Product Use: Laundry alkali
 Synonyms: None

SECTION 2: HAZARDOUS INGREDIENTS

Chemical Name	%	CAS #	OSHA PEL	LD 50
Sodium hydroxide	<13	1310-73-2	2mg/m ³	oral: 40 mg/kg (rat)

SECTION 3: PHYSICAL DATA

Appearance: Clear, slight yellow liquid Boiling Point: 212°F
 Odor: Bland Solubility in Water: Soluble
 Specific Gravity (20° C): 1.112 Vapor Pressure (mm Hg): No data
 pH (1% aqueous soln.): 12-13 Vapor Density: Lighter than air

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method)(°F): >230 (PM) Upper Flammable Limit: No data
 Lower Flammable Limit: No data
 Extinguishing Media: None necessary. Product noncombustible.
 Special Fire Fighting Procedures: Cool fire exposed containers with water spray.
 Unusual Fire and Explosion Hazards: None

SECTION 5: REACTIVITY DATA

Stability: Stable Conditions to Avoid: None
 Incompatibility (materials to avoid): Acids, flammable liquids, strong oxidizers
 Hazardous Decomposition Products: None
 Hazardous Polymerization: Will not occur.

SECTION 6: HEALTH HAZARD DATA

Toxicity (Estimated): Low
 Effects of Overexposure: Acute: Contact with eyes or skin may cause severe irritation or burns. May cause severe and permanent damage to the digestive tract if ingested.
Causes severe pain, nausea, vomiting, diarrhea and shock. Inhalation causes severe irritation of upper respiratory tract with coughing, burns, breathing difficulty, and possible coma.
 Chronic: None
 Carcinogenicity: None of the ingredients of this mixture have been identified as a carcinogen or probable carcinogen by ACGIH, IARC or OSHA.

*Hazard ratings and other information are based on latest available information from tests on product or ingredients of mixtures. The data and evaluations are accurate to the best of ADCO's knowledge. No guarantee or liability is expressed or implied.

EXPOSURE LIMITS 2mg/m ³ OSHA PEL (caustic soda)	IRRITANCY OF PRODUCT Severe eyes and skin	SENSITIZATION TO PRODUCT None reported	CARCINOGENICITY No components are listed by ACGIH, IARC or OSHA
TERATOGENICITY No effects reported	REPRODUCTIVE TOXICITY No effects reported	MUTAGENICITY None reported	SYNERGISTIC PRODUCTS None reported

Based on known toxicity of components. No test data available on mixture.

SECTION 7: PREVENTATIVE MEASURES

SPECIAL PROTECTION INFORMATION

Respiratory Protection: None required when used as directed with adequate ventilation

Ventilation: Normal industrial ventilation is adequate.

Protective Gloves: Use chemically resistant gloves.

Eye Protection: Use goggles or face mask if splashing is likely.

Other protection equipment ordinarily not needed. Availability of eye washes and adequate ventilation in work areas recommended.

STORAGE AND HANDLING: Store in plastic containers. Iron or steel containers satisfactory. Do not use aluminum or copper pipes or containers.

SPILL OR LEAK PROCEDURES: Small spills: flush to sewer with water. Large spills: soak up with absorbent material and shovel into containers for disposal. Follow by flushing water and neutralizing final traces with dilute acid.

WASTE DISPOSAL METHOD: Neutralize, then flush to sewer or dispose of material and container in nonhazardous landfill in accordance with all local, state and federal regulations.

RECOMMENDED PRECAUTIONARY LABELING:

CAUTION:

Strongly alkaline. Contact with eyes or skin may cause severe irritation or burns. Harmful if ingested or inhaled.

FIRST AID:

In case of contact, immediately flush eyes with water for 15 minutes, wash off skin with soap and water. If swallowed, give 1 ounce of vinegar and large quantities of water. Do NOT induce vomiting. Call physician.

KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY.

This product is intended for professional use only by trained personnel.

SECTION 8: FIRST AID

Inhalation: No treatment necessary.

Eyes: In case of contact, flush 15 minutes with water.

Skin: Wash off of skin with soap and water.

Ingestion: If swallowed, give 1 ounce of vinegar and large quantities of water. Do NOT induce vomiting. Call physician.

IF SYMPTOMS PERSIST, SEEK MEDICAL ASSISTANCE

SECTION 9: SARA TITLE III

NOTE: This product does contain some components which are under the reporting requirements of SARA Title III, Section 313. If you are required to report discharges using Form R, SARA Title III, Section 313, information is available on amounts of reportable components.

SECTION 10: PREPARATION DATE

This information is provided for guidance only based on information we have compiled. No guarantee of accuracy or completeness is expressed or implied.

ADCO RESEARCH DEPARTMENT

Prepared by:

Julie D. Hirner

Julie D. Hirner

Date: April 16, 2010

Replaces MSDS of: August 25, 2008