

September 18, 1985

SECTION I

MANUFACTURER'S NAME	KEM MANUFACTURING CORPORATION
ADDRESS	2075 Tucker Industrial Road Tucker, Georgia 30085-0017
EMERGENCY TELEPHONE	404 938-7980
TRADE NAME AND SYNONYMS	NEW FORMULA 7-11
CHEMICAL PRODUCT TYPE	Sanitizing Cleaning Compound
FORMULA	Proprietary

SECTION II - HAZARDOUS INGREDIENTS

CHEMICAL NAME; (COMMON NAME OR SYNONYMS)	CAS NO	WT %	TLV	HAZARD(S)
Sodium Hydroxide; (Caustic Soda, Lye)	1310-73-2	>1	2 mg/m <sup>3</sup>	Corrosive

SECTION III - PHYSICAL DATA

BOILING POINT (°F)	Min. 212
VAPOR PRESSURE (mm Hg)	Not Available
VAPOR DENSITY (Air = 1)	Not Available
SOLUBILITY IN WATER	Complete
SPECIFIC GRAVITY	1.160 - 1.200
PERCENT VOLATILE BY VOLUME (%)	58.0
EVAPORATION RATE (Ether = 1)	<1
APPEARANCE AND ODOR	Opaque, green emulsion; anise-ammonia odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (°F)	Min 212 TCC
FLAMMABLE LIMITS	Normally nonflammable
EXTINGUISHING MEDIA	Water Fog, Chemical Foam, CO <sub>2</sub>
SPECIAL FIREFIGHTING PROCEDURES	Wear protective boots, suits, gloves, face shield, hardhat and a NIOSH approved self-contained breathing apparatus. Cool fire-exposed containers with water.
UNUSUAL FIRE AND EXPLOSION HAZARDS	Ammonium Hydroxide forms an explosive with mercury. Sodium Hydroxide will react with some metals to release flammable hydrogen gas.

DISCLAIMER

TO THE BEST OF OUR KNOWLEDGE, THE INFORMATION CONTAINED HEREIN IS ACCURATE. NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THIS DATA OR THE RESULTS TO BE OBTAINED FROM THE USE OF THIS INFORMATION. SELLER ASSUMES NO RESPONSIBILITY FOR INJURY TO BUYER OR THIRD PERSONS CAUSED BY THE MATERIAL IF PROPER SAFETY PROCEDURES ARE NOT ADHERED TO OR IF ABNORMAL USE IS MADE OF THE MATERIAL. BUYER ASSUMES THE DISCLOSED RISKS OF THE USE OF THE MATERIAL. IN NO EVENT WILL SELLER BE LIABLE TO BUYER FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF THIS MATERIAL.

September 18, 1985

#### SECTION V. - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE Not available

##### EFFECTS OF OVEREXPOSURE

EYES: Contact may cause stinging or burning, intense watering, conjunctivitis (inflammation of the eyes), burns and irreparable damage of mucous membranes, ulceration of eyes, loss of sight.

SKIN: Contact may cause itching or tingling, inflammation, painful ulcerations.

INHALATION: May cause irritation of nose, eyes, and throat, coughing, dizziness, nausea, difficulty in breathing, chemical bronchitis, asphyxia.

INGESTION: May cause irritation and burning sensation of lips, mouth, and throat, pain in swallowing, gastro-intestinal irritation, abundant salivation, stomach cramps, nausea and vomiting, difficulty in breathing, risk of perforation of stomach, state of shock, unconsciousness, coma, death.

##### EMERGENCY FIRST AID PROCEDURES

EYES: Immediately flush eyes with running water for at least fifteen minutes. If pain and/or irritation persists, get medical attention.

SKIN: Remove contaminated clothing immediately and flush affected area with water for at least fifteen minutes. If pain or irritation persists, get medical attention. Launder clothing before reusing.

INHALATION: Move victim to fresh air, lay him down with legs raised, loosen collar and belt, and cover with a blanket. If breathing is difficult, give oxygen administered by a trained individual. If not breathing, administer artificial respiration and then administer oxygen. Get medical attention.

INGESTION: If swallowed - DO NOT INDUCE VOMITING. Give cold water or ice to rinse mouth with. Give water, vinegar and water, or fruit juice. If vomiting does occur, give fluids again. Keep victim warm and quiet. Get immediate medical attention. Do not give anything by mouth to an unconscious person.

#### SECTION VI - REACTIVITY DATA

STABILITY: Normally stable

CONDITIONS TO AVOID: High Temperatures

INCOMPATIBILITY: Avoid contact with strong acids or other reactive materials.

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

HAZARDOUS POLYMERIZATION: Will not occur.

#### SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED: Stop leaks and contain spill. Only trained personnel with proper protective equipment should be permitted in area. Reclaim if possible. Or, dilute spill with large amounts of water then neutralize with dilute acid solution. Dispose in accordance with state and federal regulations. After all visible traces have been removed, flush area with large amounts of water.

September 18, 1985

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Respirator may be worn by persons sensitive to fumes.

VENTILATION: Local exhaust as needed to control fumes.

EYE PROTECTION: Face shield or safety goggles

PROTECTIVE GLOVES: Rubber or vinyl gloves.

OTHER PROTECTIVE EQUIPMENT: Eye wash, safety shower, local water supply in case of eye or skin contact or spills.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Avoid contact with strong acids or reactive metals. Store in tightly sealed containers in a cool, dry place.

OTHER PRECAUTIONS: None required.