

MATERIAL SAFETY DATA SHEET

This MSDS compiles with OSHA's Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

IDENTITY AND DISTRIBUTOR'S INFORMATION

NFPA Rating: Health-2; Flammability-0; Reactivity-0; Special-
 Manufactured For: K & K CHEMICAL CO.
 Address: 1303 INDUSTRIAL DRIVE (BOX 737)
 Address: ROYSE CITY, TX 75189
 Phone: 1-800-327-0646
 EMERGENCY RESPONSE NUMBER: 1-800-327-0646
 NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA

HMS Rating: Health-2, Flammability-0; Reactivity-0; Personal Protection-B
 DOT Hazard Classification: Corrosive Material, 8
 Identity (trade name as used on label):
 K & K QUATEX II (K-517)
 MSDS Number: R 272 Revision - 1
 Date Prepared: 15 March 1996 Prepared By: RC/IB
 Information Calls: (770)422-2071

SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)	CAS Number	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source **
ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE (C ₁₂ -C ₁₆)	68424-85-1	No	N/E	N/E	d
OCTYL DECYL DIMETHYL AMMONIUM CHLORIDE	68424-95-3	No	N/E	N/E	d
DIOCTYL DIMETHYL AMMONIUM CHLORIDE	5538-94-3	No	N/E	N/E	d
DECYL DIMETHYL AMMONIUM CHLORIDE	7173-51-5	No	N/E	N/E	d
ETHYL ALCOHOL	64-17-5	No	1000	1000	d

SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 212°F
 Vapor Pressure: PSIG @ 70°F (Aerosols): N/A
 Vapor Density (Air = 1): N/E
 Solubility in Water: Miscible
 Appearance and Odor: Yellow liquid with Lemon fragrance

Specific Gravity (H₂O=1): 1.00
 Vapor Pressure (Non-Aerosols)(mm Hg and Temperature): N/E
 Evaporation Rate (water = 1): 1
 Water Reactive: No

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols) N/A
 FLASH POINT AND METHOD USED (non-aerosols): None, water based.
 EXTINGUISHER MEDIA: Water, dry chemical, foam, carbon dioxide.
 Unusual Fire & Explosion Hazards: Decomposition & oxidatious products in a fire can liberate noxious & toxic fumes.

Auto Ignition Temperature N/A
 Flammability Limits in Air by % in Volume:
 % LEL: N/A % UEL: N/A

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear NIOSH approved supplied atmosphere breathing apparatus.

SECTION 4 - REACTIVITY HAZARD DATA

STABILITY ☒ STABLE ☐ UNSTABLE
 Incompatibility (Mat. to avoid): Aluminum, metal, anionics & acids.
 Hazardous Decomposition Products: Oxides of carbon, ammonia, oxides of nitrogen.

HAZARDOUS POLYMERIZATION ☐ WILL ☒ WILL NOT OCCUR
 Conditions to Avoid: None known.

SECTION 5 - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: ☐ INHALATION ☒ INGESTION ☐ SKIN ABSORPTION ☒ EYE ☐ NOT HAZARDOUS

ACUTE EFFECTS

Inhalation: Should not cause respiratory irritation.
 Eye Contact: May cause severe eye irritation.
 Ingestion: Harmful if swallowed.

Skin Contact: May cause irritation.

CHRONIC EFFECTS: None known.

Medical Conditions Generally Aggravated by Exposure: Pre-existing irritation of skin and mucous membranes.

EMERGENCY FIRST AID PROCEDURES

Eye Contact: Flush with water for 15 minutes. If irritation persists, get medical attention.
 Skin Contact: Wash contaminated areas with soap and water. If irritation persists, get medical attention.
 Inhalation: Remove to fresh air.
 Ingestion: DO NOT INDUCE VOMITING. Drink large quantity of milk, egg whites, gelatin solution or water. Get immediate medical attention.

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (specify type): None required.
 Protective Gloves: Rubber or neoprene.
 Ventilation Requirements: Normal room ventilation is adequate.
 Other Protective Clothing & Equipment: None required.
 Hygienic Work Practices: Do not eat, drink or smoke in work area. Wash hands after handling.

Eye Protection: Safety glasses or goggles.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken If Material is Spilled Or Released: Contain spill. Keep out of sewers & open bodies of water. Soak up spill on inert absorbent material. Place in leak-proof container.
 Waste Disposal Methods: Dispose of in accordance with all local, state and federal regulations.
 Precautions To Be Taken in Handling & Storage: Store in original shipping containers. Keep closed when not in use. Shelf life 1 year. Protect from extreme heat and cold.
 Other Precautions &/or Special Hazards: KEEP OUT OF REACH OF CHILDREN. Read & follow label directions.

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.
 ** Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only