

MATERIAL SAFETY DATA SHEET

MANUFACTURER: K & K Chemical Co.
TELEPHONE NO.: (800) 327-0646
ADDRESS: 1303 Industrial Drive, Royse City, TX 75189

PRODUCT: QUICK OPEN™
PART NUMBER(S): K-710

MSDS Prepared By: J. Austin Maglothin, Ph.D.
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SECTION I - GENERAL

Chemical Name & Synonym	Not Applicable
Trade Name & Synonyms	QUICK OPEN™
Chemical Family	Aqueous solution
DOT Basic Description	Potassium hydroxide solution, 8, UN1814, III
Formula	Trade Secret

SECTION II - HAZARDOUS INGREDIENTS

Potassium hydroxide	CAS No.	1310-58-3
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SECTION III - PHYSICAL AND CHEMICAL DATA

Boiling Point (°C)	Not Determined
Vapor Pressure (mm Hg @ 20°C)	Not Determined
Vapor Density (Air = 1)	Not Determined
Specific Gravity (H ₂ O = 1)	1.253
% Volatile by Volume	Not Applicable
Evaporation Rate (H ₂ O = 1)	Not Determined
Solubility in Water	Miscible
Appearance and Odor	Red clear fluid with bland odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flammable Limits (%)	- LEL	Not Applicable
	- UEL	Not Applicable
Flash Point (Method Used)		Non-combustible
Extinguishing Media		Use any appropriate for surrounding fire.
Special Fire Fighting Procedures		None
Unusual Fire & Explosion Hazards		May react with aluminum to generate explosive hydrogen gas.

SECTION V - HEALTH HAZARD DATA

Route of Entry	Eye contact, ingestion, skin contact
Carcinogenic Assessment	Not listed
Threshold Limit Value	Not Applicable
Effects of Overexposure	Eye contact: CORROSIVE!: Causes severe burns Ingestion: POISON! Harmful or fatal if swallowed. Skin contact: CORROSIVE!: Causes severe burns
Emergency & First Aid Procedures	Eye contact: Flush with water for 20 minutes. Get immediate medical attention. Ingestion: DO NOT INDUCE VOMITING. Drink 3 to 4 glasses of water, then acidic fruit juice or a solution of water and vinegar. Get immediate medical attention. Skin contact: Flush with a solution of water and vinegar, then plenty of water. If irritation persists, get medical attention.

SECTION VI - REACTIVITY DATA

Stability	Stable
Incompatibility (Materials to Avoid)	Strong acids, strong oxidizing agents; aluminum, tin, zinc and their alloys
Hazardous Decomposition Products	None identified
Hazardous Polymerization	Will not occur

SECTION VII - SPILL OR LEAK PROCEDURE

Steps To Be Taken In Case Material Is Released Or Spilled	Contain spill and dilute with clear water. Mop up with clear water.
Waste Disposal Method	Dilute with large volumes of water and flush to sewer. Rinse container well before discarding in an authorized landfill.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Respiratory Protection	None required for normal use
Ventilation	Normal ventilation is adequate
Protective Gloves	Latex
Eye Protection	Chemical goggles
Other Protective Equipment	Synthetic apron

SECTION IX - SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling And Storing	Store in original containers for up to one year. Keep closed when not in use. Protect from extreme heat and cold.
Other Precautions	KEEP OUT OF REACH OF CHILDREN. Read and follow label directions.
DOT Classification	Corrosive liquid
DOT Basic Description	Potassium hydroxide, solution, 8, UN1814, III