

MATERIAL SAFETY DATA SHEET

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

PRODUCT: QUICK™
PART NUMBER: K-584

MSDS Prepared By: J. Austin Maglothin, Ph.D.
Revision Date: July 20, 2001

SECTION I - GENERAL

Chemical Name & Synonym	Not Applicable
Trade Name & Synonyms	QUICK™
Chemical Family	Hydrocarbon / chlorinated hydrocarbon mixture
DOT Basic Description	Toxic liquid, organic, n.o.s. (Dichloromethane, tetrachloroethylene), 6.1, UN2810, III
Formula	Trade Secret

SECTION II - HAZARDOUS INGREDIENTS

WARNING! This product contains chemicals known to the State of California to cause cancer.

Petroleum distillate	CAS No.	64742-48-9
Perchloroethylene	CAS No.	107-06-2
Dichloromethane	CAS No.	75-09-2

SECTION III - PHYSICAL AND CHEMICAL DATA

Boiling Point (°C)	Not Determined
Vapor Pressure (mm Hg @ 20°C)	Not Applicable
Vapor Density (Air = 1)	>1
Specific Gravity (H ₂ O = 1)	0.819
% Volatile by Volume	100
Evaporation Rate (H ₂ O = 1)	Not Determined
Solubility in Water	Insoluble
Appearance and Odor	Clear colorless fluid with lemon fragrance

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	93°C (TCC)
Extinguishing Media	Use any appropriate for surrounding fire.
Special Fire Fighting Procedures	Wear self-contained breathing apparatus
Unusual Fire & Explosion Hazards	Product as formulated will not ignite, but may provide fuel to an existing fire. After the chlorinated hydrocarbons have evaporated, the residual material is combustible.

SECTION V - HEALTH HAZARD DATA

Route of Entry	Inhalation, ingestion, skin absorption, eye contact
Carcinogenic Assessment	Perchloroethylene has been identified as an animal carcinogen by NTP and has caused liver and kidney toxic effects in test animals. This product contains ethylbenzene. The International Agency for Research on Cancer (IARC) has evaluated ethylbenzene and classified it as a possible human carcinogen (Group 2B) based on sufficient evidence for carcinogenicity in experimental animals, but inadequate evidence for cancer in exposed humans.
Threshold Limit Value	TWA of 25 ppm for dichloromethane and tetrachloroethylene; OSHA PEL for dichloromethane is 25 ppm
Effects of Overexposure	Acute systemic effects: flushing of face and neck, drowsiness, headache, slurred speech, dizziness, light-headedness, numbness, incoordination and narcosis. Mild irritant to nose and throat. Mild skin irritant; prolonged contact may produce burning sensation. Liquid in eyes produces pain and irritation with mild temporary damage possible. Aspiration into the lungs can cause pneumonitis, pulmonary edema and chemical pneumonia, in addition to the systemic effects above. Ingestion results in severe gastrointestinal irritation with nausea, stomach cramps and diarrhea. Aggravates existing liver disease, rhythm disorders of the heart, neuritis, dermatitis and upper respiratory disorders.
Emergency & First Aid Procedures	Eye contact: Remove contact lenses. Flush eyes with water for 15 minutes, lifting lids occasionally. If irritation persists, get medical attention. Skin contact: Remove contaminated clothing and shoes. Wash skin with soap and water. If irritation persists, get medical attention. Inhalation: Remove to fresh air. If symptoms are serious or persistent, get medical attention. Ingestion: DO NOT INDUCE VOMITING. Drink 3 to 4 glasses of water. Get medical attention.

SECTION VI - REACTIVITY DATA

Stability	Stable
Incompatibility (Materials to Avoid)	Strong oxidizers, strong alkalis, aluminum
Hazardous Decomposition Products	Hydrogen chloride gas, hydrogen gas, chlorine gas, phosgene.
Hazardous Polymerization	Will not occur

SECTION VII - SPILL OR LEAK PROCEDURE

Steps To Be Taken In Case Material Is Released Or Spilled	Ventilate area. Avoid breathing vapors. Contain spill. Soak up in inert absorbent and put in sealed containers for hazardous waste disposal.
Waste Disposal Method	Dispose of as hazardous waste. Consult local authorities. Drain container well and allow to air-dry before discarding in an authorized local, state or federal landfill.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Respiratory Protection	None required where ventilation is adequate. For large spills use self-contained breathing apparatus.
Ventilation	Do not use in closed or confined space. Use mechanical ventilation to maintain vapor levels below TLV.
Protective Gloves	Solvent resistant
Eye Protection	Safety glasses. Wear chemical goggles or face shield if splashing is possible.
Other Protective Equipment	Solvent resistant boots, apron and headgear where splashing is a possibility.

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. Prevent water or moist air from entering.
Other Precautions	KEEP OUT OF REACH OF CHILDREN. Read and follow label directions.
DOT Basic Description	Toxic liquids, organic, n.o.s. (DICHLOROMETHANE, TETRACHLOROETHYLENE), 6.1, UN2810, III
DOT Hazard Classification	Toxic liquids