

HMIS Codes	
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MATERIAL SAFETY DATA SHEET

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

PRODUCT: K-SUPERZONE™
PART NUMBER(S): Z-310: Autumn Delight; Z-315: Bionic Breeze Citra; Z-320: Cinnamon;
Z-325: Fantasia; Z-330: Honeysuckle; Z-335: Peach; Z-340: Peppermint;
Z-345: Pina Colada; Z-350: Rainfresh; Z-355: Spearmint; Z-360: Vanilla

MSDS Prepared By: J.Austin Maglothin, Ph.D.
Revision Date: April 15, 1998

SECTION I - GENERAL

Chemical Name & Synonym	Not Applicable
Trade Name & Synonyms	K-SUPERZONE™
Chemical Family	Petroleum hydrocarbon solution
Formula	Trade Secret

SECTION II - HAZARDOUS INGREDIENTS

Petroleum hydrocarbons	CAS No.	64742-47-8
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SECTION III - PHYSICAL AND CHEMICAL DATA

Boiling Point (°C)	223 to 251
Vapor Pressure (MM Hg @ 20°C)	1
Vapor Density (Air = 1)	6.5
Specific Gravity (H ₂ O = 1)	0.791 - 0.850
% Volatile by Volume	Not Determined
Evaporation Rate (H ₂ O = 1)	Not Determined
Solubility in Water	Less than 0.1% at 20°C
Appearance and Odor	Clear amber fluid with odor as named
Others	None

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flammable Limits (% at 25°C)	- LEL: 0.6 - UEL: 7.0
Flash Point (Method Used)	45°C: Vanilla; 78°C: Peach; 82°C: Pina Colada; 79°C: Rainfresh; 90°C: Cinnamon; 80°C: Spearmint; 80°C: Peppermint; 74°C: Autumn Delight; 85°C: Fantasia; 68°C: Bionic Breeze Citra; 78°C: Honeysuckle (TCC)
Extinguishing Media	Foam, dry chemical or water spray
Special Fire Fighting Procedures	Use water spray to cool fire exposed surfaces and to protect personnel
Unusual Fire & Explosion Hazards	Combustible liquid - can form combustible mixtures at temperatures at or above flashpoint. Material can accumulate static charges which can cause an incendiary electrical discharge. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Do not expose such containers to heat, flame, sparks, static electricity or other sources of ignition: THEY MAY EXPLODE and cause injury or death.

SECTION V - HEALTH HAZARD DATA

Route of Entry	Eye contact, skin contact, inhalation, ingestion
Carcinogenic Assessment	Not listed
Threshold Limit Value	300ppm
Effects of Overexposure	Eye contact: Slightly irritating but does not damage eye tissue Skin contact: May irritate and cause dermatitis Inhalation: Irritant; high vapor concentrations may cause headaches and dizziness, are anaesthetic and may have other central nervous system effects Ingestion: Minimal toxicity. Aspiration of liquid during ingestion or vomiting may cause bronchiopneumonia or pulmonary edema.
Emergency & First Aid Procedures	Eye contact: Flush with water for 15 minutes. Get medical attention if irritation persists. Skin contact: Wash with soap and water. Flush with large amounts of water. Inhalation: Remove to fresh air. Administer artificial respiration if breathing has stopped. Ingestion: DO NOT INDUCE VOMITING. Keep at rest. Get prompt medical attention.

SECTION VI - REACTIVITY DATA

Stability	Stable
Incompatibility (Materials to Avoid)	Strong oxidizing agents
Hazardous Decomposition Products	None
Hazardous Polymerization	Will not occur

SECTION VII - SPILL OR LEAK PROCEDURE

Steps To Be Taken In Case Material Is Released Or Spilled	Prevent liquid from entering sewers, watercourses or low areas. Absorb with inert material. Consult an expert on disposal of recovered material.
Waste Disposal Method	Incinerate. Dispose of empty container in an authorized landfill.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Respiratory Protection	None in normal use
Ventilation	Normal ventilation is adequate
Protective Gloves	None required
Eye Protection	Safety glasses are recommended
Other Protective Equipment	None required

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.