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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:
 PART NUMBER(S):

K-SUPERZONE™
 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 Maglothlin, Ph.D.
 Revision Date: April 15, 1998

SECTION I - GENERAL

Chemical Name & Synonym
 Trade Name & Synonyms
 Chemical Family
 Formula

Not Applicable
 K-SUPERZONE™
 Petroleum hydrocarbon solution
 Trade Secret

SECTION II - HAZARDOUS INGREDIENTS

Petroleum hydrocarbons

CAS No. 64742-47-8

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
 - UEL

0.6
 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
 Unusual Fire & Explosion Hazards

Use water spray to cool fire exposed surfaces and to protect personnel.
 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
 Carcinogenic Assessment
 Threshold Limit Value
 Effects of Overexposure

Eye contact, skin contact, inhalation, ingestion
 Not listed
 300ppm
 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

Emergency & First Aid Procedures

Ingestion: Minimal toxicity. Aspiration of liquid during ingestion or vomiting may cause bronchiopneumonia or pulmonary edema.
 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
 Incompatibility (Materials to Avoid)
 Hazardous Decomposition Products
 Hazardous Polymerization

Stable
 Strong oxidizing agents
 None
 Will not occur

SECTION VII - SPILL OR LEAK PROCEDURE

Steps To Be Taken In Case Material Is Released Or Spilled
 Waste Disposal Method

Prevent liquid from entering sewers, watercourses or low areas. Absorb with inert material. Consult an expert on disposal of recovered material.
 Incinerate. Dispose of empty container in an authorized landfill.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Respiratory Protection
 Ventilation
 Protective Gloves
 Eye Protection
 Other Protective Equipment

None in normal use
 Normal ventilation is adequate
 None required
 Safety glasses are recommended
 None required

SECTION IX - SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling And Storing
 Other Precautions

Store in original containers for up to one year. Keep closed when not in use. Protect from extreme heat and cold.
 KEEP OUT OF REACH OF CHILDREN. Read and follow label directions.