

MATERIAL SAFETY DATA SHEET

MANUFACTURER: K & K Chemical Co.
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PRODUCT: **NUZONE™**
 PART NUMBER(S): Z-300: Orange; Z-301: Cherry; Z-302: Green Apple

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SECTION I - GENERAL

Chemical Name & Synonym: Not Applicable
 Trade Name & Synonyms: NUZONE™
 Chemical Family: Petroleum hydrocarbon solution
 Formula: 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 (H₂O = 1): 0.792 (Green Apple); 0.803 (Orange); 0.805 (Cherry)
 % Volatile by Volume: Not Determined
 Evaporation Rate (H₂O = 1): Not Determined
 Solubility in Water: Less than 0.1% at 20°C
 Appearance and Odor: Clear 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): 56°C: Orange; 62°C: Green Apple; 71°C: Cherry (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.
 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.

Emergency & First Aid Procedures

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.