

# MATERIAL SAFETY DATA SHEET

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## SECTION I - IDENTIFICATION

**Chemical Name & Synonyms**  
Air Filter Cleaner

**Chemical Family**

**Trade Name:** Klotz Air Filter Cleaner (Aerosol) – KL-608

## SECTION II - HAZARDOUS COMPONENTS

	<b>D-Limonene</b>	<b>Petroleum Distillate</b>	<b>Propane</b>
<b>Weight Percent:</b>	10%	83%	7%
	(4-Isopropenyl 1-Methylcyclohexene)		
<b>CAS No.:</b>	5989-27-5	64742-88-7	00074-98-6
<b>OSHA PEL:</b>	NE	400 PPM	1000 PPM
<b>ACGIH TLV:</b>	Unknown	NE	Asphyxiant
<b>Vapor Pressure (mmHg@ 68)</b>	2	.6	6350

## SECTION III - PHYSICAL DATA

<b>Boiling Point:</b> -44°F	<b>Specific Gravity:</b> 0.76
<b>Freezing Point:</b> N/A	<b>% Volatile By Volume:</b> N/A
<b>Melting Point:</b> N/A	<b>Viscosity SUS:</b> N/A
<b>Vapor Pressure (mmHg):</b> N/A	<b>Vapor Density (Air=1):</b> Heavier than Air
<b>Solubility in Water:</b> Nil	<b>Bulk Density:</b> N/A
<b>Evaporation Rate (Water=1):</b> Slower than Ether	<b>Pour Point:</b> N/A
<b>Decomposition Temp:</b> N/A	<b>Appearance:</b> Aerosol product
<b>Odor:</b> Aerosol product	<b>Weight per gallon:</b>

## SECTION IV - FIRE & EXPLOSION HAZARD INFORMATION

**Auto ignition Temperature:** N/A

**Flammability in Air:** Lower: .7  
Upper: 9.5

**Flash Point:** N/A

**Basic Fire Fighting Procedures:** Foam, CO2, Dry Chemical, Water Fog

**Unusual Fire & Explosion Hazards:** Closed containers may explode from internal pressure build-up when exposed to extreme heat and discharge contents. Vapor accumulation can flash or explode if ignited. Overexposure to decomposition products may cause a health hazard. Symptoms may not be readily apparent. Obtain medical attention.

**Special Fire and Explosion Hazards:** Water spray may be ineffective. Water may be used to cool containers to prevent pressure build-up and explosion when exposed to extreme heat. If water is used, fog nozzles preferred. Wear goggles and self-contained breathing apparatus.

## SECTION V - REACTIVITY DATA

**Incompatibility:** Strong oxidizing agents.

**Stability:** Stable

**Hazardous Polymerization:** Will not occur.

**Hazardous Reactions/Decomposition Products:** May produce fumes when heated to decomposition. Fumes may contain carbon monoxide.

**Conditions to avoid:** Application to hot surfaces. Storage above 120°F. Exposure to open flame.

## SECTION VI - SPILL, LEAK, & DISPOSAL PROCEDURES

**Spill or Release to the Environment:** Avoid breathing vapors. Ventilate area. Remove all sources of ignition. Clean up area with absorbent material and place in closed containers for disposal.

**Waste Disposal:** DO NOT incinerate. Dispose in accordance with Federal, State and Local regulations regarding pollution. Before attempting clean up, refer to other sections of this MSDS for hazard caution information.

## SECTION VII - HEALTH HAZARD DATA

### The Routes of Exposure and the Effects of Overexposure

**Ingestion:** Not a likely route of exposure. If swallowed, DO NOT induce vomiting. Seek immediate medical advice and/or attention.

**Skin:** Not easily absorbed. Solvent action can dry and defat the skin causing the skin to crack, leading to dermatitis. Prolonged contact may cause moderate irritation.

**Eyes:** Liquid or vapor can cause moderate to severe irritation.

**Inhalation:** May cause respiratory irritation, headache, nausea, fatigue, drowsiness, impaired co-ordination.

## SECTION VIII - FIRST AID PROCEDURES

**Ingestion:** DO NOT INDUCE VOMITING. Call physician immediately.

**Skin Contact:** Wipe off with towel. Wash with soap and water. Get medical attention if irritation persists.

**Inhalation:** Remove to fresh air. Administer oxygen if needed. Apply artificial respiration if breathing has stopped. Get medical attention.

**Eye Contact:** Wash immediately with large volumes of fresh water for at least 15 minutes. Get medical attention.

## SECTION IX - SPECIAL PROTECTION INFORMATION

**Handling/Storage:** Store and use in cool, dry, well-ventilated areas. DO NOT store above 120°F. DO NOT puncture or incinerate (burn) cans. DO NOT stick pin, nail, or any other sharp object into opening on top of can. DO NOT spray in eyes. DO NOT take internally. See product label for additional information.

**Skin Protection:** Wear impervious gloves and protective clothing to prevent skin contact.

**Respiratory Protection:** None under normal use. Avoid breathing vapors. In restricted areas, use approved chemical/mechanical filters designed to remove a combination of particles and vapor. In confined areas, use

approved air line type respirator or hood. Self-contained breathing apparatus is required for vapor concentrations above PEL/TLV limits.

**Eye Protection:** None under normal use; however, use of safety glasses with splash guards or full face shield is recommended. DO NOT wear contact lenses when working with this substance. Have eye baths readily available where eye contact can occur.

**Other Protective Clothing or Equipment:** None under normal use; however, use of solvent resistant to aprons or other clothing is recommended.

**Ventilation:** Sufficient to prevent inhalation of solvent vapors. General dilution and/or local exhaust ventilation in volume or pattern to keep PEL/TLV of most hazardous ingredients below acceptable limit and LEL below stated limit.

**Other Precautions:** Small pressurized containers of flammable products may be stored in areas suitable for ordinary combustibles with respect to construction, drainage, control of ignition sources, and ventilation. They should not be stored in basements.

**Work/Hygienic Practices:** Eye washes and safety showers in the workplace are recommended.

## SECTION X - DOT TRANSPORTATION

**DOT Not Regulated**  
**DOT Category:** Consumer Commodity ORM-D

**ORM-D**

**Hazard ID Number:** UN 1950  
**IMCO Hazard Class:** 2  
**RCRA Classification:** Not a Marine Pollutant

**Packaging Group:** N/A  
**IMCO Page #:** 95 2004 Edition

**Revised:** 2-24-05