MATERIAL SAFETY DATA SHEET

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K&N Engineering, Air Filter Oil (Multi Language)

Date Prepared: 9/10/02 **K&N PART # 99-0533, 99-0555, 99-18511, 99-0551**

This Material Safety Data Sheet contains environmental, health and toxicology information for your employees. Please make sure this information is given to them. It also contains information to help you meet community Right To Know Emergency Response reporting requirements under SARA TITLE III and many other laws. If you resell this product, this MSDS must be given to the buyer or the information incorporated in your MSDS.

This MSDS complies with 29 CFR 1910.1200 (The Hazard Communication Standard)

SECTION I - PRODUCT IDENTIFICATION

Product Name: K & N Air Filter Oil Red Chemical Name: Oil, n.o.s. Common Name: Petroleum Oil

SECTION II – COMPOSITION / INFORMATION ON INGREDIENTS

Common Name / Chemical Name	CAS #	%
Hydrotreated heavy paraffinic distillate	64742-54-7	<100
Dimethylbenzene	1330-20-7	<1
Methyl lardate	112-62-6	<2

Contains no other ingredients now known to be hazardous as defined by OSHA 29 CFR 1910.1000(z).

SECTION III – HAZARD IDENTIFICATION

Principle Hazards: Combustible Liquid
Prolonged or repeated skin contact may cause dermatitis.
See section 11 for complete health hazard information.

Threshold Limits: The PEL (OSHA) and the TLV (ACGIH) is 5 mg/m3 for oil mists.

Primary Routes of Exposure:

EYE May cause eye irritation if splashed into eyes.

SKIN Repeated or prolonged contact with skin may cause irritation, which may lead to various skin disorders. Avoid prolonged skin contact.

INHALATION Inhalation of vapor or oil mist from this product may cause mild irritation of the respiratory system. Use in well ventilated areas.

ORAL Ingestion may cause nausea, diarrhea and stomach discomfort.

SECTION IV – FIRST AID MEASURES

ORAL DO NOT INDUCE VOMITING. If conscious, give 2 glasses of water. Get immediate medical attention.

EYE Flush with water at least 15 minutes. Get medical attention if eye irritation develops or persists.

SKIN Wash immediately with soap and water. Remove soiled clothing. Get medical attention if irritation Develops. Launder contaminated clothing.

INHALATION Remove exposed person to fresh air. If breathing is labored, administer oxygen and obtain immediate medical attention. If irritation persists or if toxic symptoms are observed, get medical attention.

SECTION V – FIRE FIGHTING MEASURES

FLASH POINT: >200° C (COC) >392° F

Slightly combustible. May release flammable vapors when heated above the flash point.

EXTINGUISHING MEDIA Carbon dioxide, dry chemical or foam. Avoid using water.

HAZARDOUS EXPOSURE Carbon monoxide and asphyxiants.

SPECIAL FIRE PROCEDURES Recommend SCBA. Use water only for cooling container. Water may cause splattering, or transport the flame.

Section VI – ACCIDENTAL RELEASE MEASURES

Evacuate all non-essential personnel. Personal protective equipment must be worn, see PPE section 8 & 16. Remove sources of ignition. Prevent entry into sewers and waterways. Contain release, pick up free liquid for recycling or disposal. Residual liquid can be absorbed with inert material. Check DOT / CERCLA and other agencies for reporting requirements.

Prevent contamination to soil, waterway and sewer systems.

Section VII – HANDLING AND STORAGE

HANDLING Avoid prolonged skin contact, contaminated clothing and breathing vapors. Use with adequate ventilation. Wear recommended protective equipment. Practice good personal hygiene after handling.

Empty containers retain material residue. Do not cut, weld, braze, solder or expose containers to other ignition sources.

STORAGE Store in closed containers of proper construction. Store away from ignition sources and in areas of good ventilation.

Section VIII – EXPOSURE CONTROLS – PERSONAL PROTECTION

EXPOSURE LIMITS: TLV = 5 mg/m3 as oil mist

VENTILATION: Use in areas of adequate ventilation. Use mechanical exhaust to control vapors or mists.

GLOVES: Nitrile or neoprene gloves are recommended.

EYE PROTECTION: Safety glasses, goggles, or a face shield are recommended.

RESPIRATORY: Use NIOSH/MSHA approved respirator with organic vapor cartridge and dust/mist cartridge is recommended if exposure limit is exceeded. Self-contained breathing apparatus is recommended for confined space entry.

CLOTHING: Long sleeve shirt and an apron is recommended when potential for skin contact is present. Wear neoprene or nitrile rubber boots when necessary to avoid contaminating shoes.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Red oily liquid
BOILING POINT: >300° C
EVAPORATION POINT: Less than ether
FLAMMABILITY: Combustible Liquid
FLASH POINT: >200° C
ODOR: Petroleum

Ph: None detected
SOLUBILITY: Negligible
SPECIFIC GRAVITY: 0.8650
VAPOR DENSITY: Heavier than air
VAPOR PRESSURE: <0.01mm Hg @ 20° C
VOC %: Nil

SECTION X – STABILITY AND REACTIVITY

STABILITY: Material is normally stable at ambient temperature and pressure.

CONDITIONS TO AVOID: Oxidizing agents. Do not heat above the flash point.

POLYMERIZATION: Will not occur.

DECOMPOSITION: Carbon dioxide, carbon monoxide

SECTION XI – TOXICOLOGICAL INFORMATION

ORAL TOXICITY: Swallowing material may cause irritation of the gastrointestinal lining, nausea, vomiting, diarrhea and abdominal pain.

EYE IRRITATION: Not expected to cause eye irritation.

SKIN IRRITATION: Not expected to be a primary skin irritant. Prolonged or repetitive contact may cause irritation.

CARCINOGENIC: This material has not been identified as a carcinogen by NTP, IARC, or OSHA.

SECTION XII – ECOLOGICAL INFORMATION

This material is expected to have adverse affects on marine and plant life. Spills may contaminate drinking water.

SECTION XIII – DISPOSAL CONSIDERATIONS

DISPOSAL: Consult federal, state and local regulations regarding disposal methods. Recycle used oil. Do not contaminate used oil with solvents or other chemicals.

SECTION XIIII – TRANSPORTATION INFORMATION

See 49 CFR part 171.8 through 178.510 DOT SHIPPING NAME: Oil, n.o.s.

DOT HAZARD CLASS: Combustible liquid UN/NA NUMBER: NA 1270 GUIDE NUMBER: 27

IMDG CODE:

Materials classified as DOT Combustible liquids (Flash Point >141° F and <200° F) are not regulated by DOT in containers of 110 gallons, or less for domestic shipments.

SECTION XV – REGULATORY INFORMATION

TSCA All components of this material are on the US TSCA inventory.
SARA 311
SARA 312
SARA 313 contains <1 ppm xylene
CAL PROP 65 Not listed
RCRA Not listed
CERCLA Listed

SECTION XVI - OTHER INFORMATION

	Health	Fire	Reactivity	PPE
HMIS CODE:	1	1	0	C
NFPA CODE:	1	1	0	

Precautionary labels: NA

ADDITIONAL COMMENTS:

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make their own determination of the suitability of the material for their particular purpose.