

MATERIAL SAFETY DATA SHEET

K&N Engineering, Inc.
P.O. Box 1329
Riverside, Ca. 92502-1329
(909) 826-4100 (M-F 8:00am – 4:00pm Pacific Standard Time)
Chemtrec (800) 424-9300 US / North America **Outside US 703-527-3887 (collect calls accepted)**

K&N Engineering, Inc AEROSOL AIR FILTER OIL, 12.5oz (Multi Language)

Date Prepared: 9/10/02

K&N Part # 99-0516

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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.

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

===== SECTION I - PRODUCT IDENTIFICATION =====

PRODUCT DESCRIPTION: K&N AEROSOL Air Filter Oil, 12.5 oz (Multi Language)

D.O.T. PROPER SHIPPING NAME: ORM-D CONSUMER COMMODITY

NFPA Codes: HEALTH 1 FLAMMABILITY – 2 CORROSIVE – 0 REACTIVITY – 0

===== SECTION II – HAZARDOUS INGREDIENTS / IDENTITY INFORMATION =====

CUSTOMER SUPPLIED PRODUCT

PEL: NOT AVAILABLE

CAS #: NOT AVAILABLE

TLV: NOT AVAILABLE

HYDROCARBON PROPELLANT

PEL: 800 PPM

CAS #: 68476-86-8

TLV: 800 PPM

*** If present, IARL, NTP and OSHA carcinogens and chemical subject to this reporting requirements of SARA Title III, SECTION 313 are identified in this section.

===== SECTION III - PHYSICAL DATA =====

Boiling Point for product: N/D

Vapor Pressure for Product: 90mmHG

Vapor Density for product: N/D

Specific Gravity: 0.9185

V.O.C. (Grams Per Liter): N/A

Water Solubility: Negligible

Appearance:

Petroleum Liquid / Odor

===== SECTION IV - FIRE AND EXPLOSION DATA =====

FLASH POINT(TCC): LEVEL 3 AEROSOL

EXPLOSIIVE LIMIT (PRODUCT): LOWER - N/D UPPER - N/D

EXTINGUISHING MEDIA: Use dry chemical, foam, or carbon dioxide.

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===== **SECTION IV - FIRE AND EXPLOSION DATA Continued** =====

SPECIAL FIRE FIGHTING PROCEDURES: Water may be ineffective but can be used to cool containers exposed to heat or flame. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid.

UNUSUAL FIRE AND EXPLOSIVE CONDITIONS: Dense smoke may be generated while burning. Carbon monoxide, carbon dioxide, and other oxides may be generated as products of combustion.

===== **SECTION V - HEALTH HAZARD DATA** =====

ROUTES OF EXPOSURE:

INHALATION: Excessive inhalation may produce symptoms of central nervous system depression, ranging from light-headedness, nausea and vomiting, to unconsciousness and death.

SKIN: Mildly irritating to skin. Skin contact may produce a burning sensation-prolonged or repeated contact may cause skin to become reddened, rough and dry due to the removal of natural oils and may result in dermatitis. May be absorbed through the skin, although not expected to product toxicity through this route.

EYE CONTACT: An irritant of the eyes, causing pain, lacrimation and general inflammation.

INGESTION: May cause irritation of the gastrointestinal tract. If vomiting results in aspiration, chemical pneumonia may follow. Absorption through the gastrointestinal tract may produce symptoms of the central nervous system depression ranging from light headedness to unconsciousness.

EFFECTS OF OVEREXPOSURE:

ACUTE: Excessive inhalation or ingestion may produce symptoms of central nervous system depression ranging from light headedness, to unconsciousness and death. Overexposure may result in liver and kidney damage. Exposure of the eyes and skin may produce irritation. Animals exposed to high levels have shown cardiac sensitization.

CHRONIC: Can cause headache, mental confusion, depression, fatigue, loss of sense of balance, and visual disturbances. Prolonged or repeated skin contact may cause dermatitis.

HYGIENE: Avoid contact with skin and avoid breathing vapors. Do not eat, drink or smoke in the work area. Wash hands prior to eating, drinking or using the restroom.

FIRST AID:

EYES: Irrigate with flowing water immediately and continuously for 15 minutes. Consult a medical professional.

SKIN: Wash off in flowing water or shower.

INGESTION: Do not induce vomiting. Call a physician and/or transport to an emergency facility immediately.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, oxygen should be administered by qualified personnel. Call a physician or transport to a medical facility.

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===== **SECTION V - HEALTH HAZARD DATA Continued** =====

NOTE TO PHYSICIAN: Because rapid absorption may occur through lungs if aspirated and cause systemic effects, the decision of whether to induce vomiting or not should be made by a physician. If lavage is performed, suggest endotracheal and/or esophageal control. Danger from lung aspiration must be weighted against toxicity when considering emptying the stomach. Exposure may increase "myocardial irritability". Do not administer sympathomimetic drugs unless absolutely necessary.

===== **SECTION VI - REACTIVITY DATA** =====

STABILITY: Stable

CONDITIONS TO AVOID: Not applicable

HAZARDOUS POLYMERIZATION: Will not occur

MATERIALS AND CONDITIONS TO AVOID INCOMPATIBILITY: Strong oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS: None

===== **SECTION VII - SPILL OR LEAK PROCEDURES** =====

STEPS TO BE TAKEN IN CASE CONTAINER IS PUNCTURED AND MATERIAL IS RELEASED:

Clean up area by mopping or with absorbent materials and place in closed container for disposal. Consult Federal, State and local disposal authorities.

WASTE DISPOSAL METHOD: Consult local authorities for proper waste disposal procedures. Empty de-pressurized containers cannot be reused. Cans which are pressurized or contain liquid must be disposed of in a permitted waste management facility. Consult Federal, State, and local disposal authorities for approved procedures.

===== **SECTION VIII - PROTECTIVE EQUIPMENT TO BE USED** =====

EYES: Face shield and goggles or chemical goggles should be worn.

GLOVES: Impervious gloves should be worn. Gloves contaminated with the product should be discarded. Polyfluorinated polyethylene has been suggested.

OTHER CLOTHING EQUIPMENT: Standard work clothing. Standard work shoes, discard if they cannot be decontaminated. Store contaminated clothing in well ventilated cabinets or closed containers. Wash contaminated clothing and dry before reuse.

MONITORING EXPOSURE:

BIOLOGICAL: No applicable procedures can be recommended.

PERSONAL/AREA: Use NIOSH ANALYTICAL METHOD NUMBER 1003 for halogenated hydrocarbons.

RESPIRATORY PROTECTION: In situations where vapor concentrations exceed the recommended exposure limits, a NIOSH approved organic vapor cartridge or air-supplying respirator should be worn.

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===== SECTION IX - SPECIAL PRECAUTIONS OR OTHER COMMENTS =====

HANDLING STORAGE AND DECONTAMINATION PROCEDURES: When utilizing pressurized containers follow standard safety practices for handling aerosols.

GENERAL COMMENTS: Do not store at temperatures above 120° F. Odor is not an adequate warning of potentially hazardous concentrations in air. Releases of these gases may cause a flammable atmosphere with explosion potential.

PRECAUTIONARY STATEMENTS: Please read and follow the directions on the product label. They are your best guide to using this product in the most effective way, and give the necessary safety precautions to protect your health.

===== 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.