

K&N Air Filter Oil Aerosol

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Date of issue: 07/29/2016

Version: 1.0

SECTION 1: Identification

1.1. Product identifier

Product form : Mixture
Product name : K&N Air Filter Oil Aerosol
Product code : 99-5000
Product group : Trade product

1.2. Recommended use and restrictions on use

Recommended uses and restrictions : Lubricant

1.3. Supplier

K&N Engineering, Inc.
P.O. Box 1329
92502-1329 Riverside, CA - USA
T (800) 858-3333 - F (951) 826-4001

1.4. Emergency telephone number

Emergency number : Chemtrec (800) 424-9300 / +1 (703) 527-3887 (CCN 632715)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-CA)

Flammable aerosols, H222
Category 1
Germ cell mutagenicity, H340
Category 1B
Carcinogenicity, H350
Category 1A
Aspiration hazard, H304
Category 1

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS-CA labelling

Hazard pictograms (GHS-CA) :



GHS02



GHS08

Signal word (GHS-CA) : Danger

Hazard statements (GHS-CA) : H222 - Extremely flammable aerosol
H229 - Pressurised container: May burst if heated
H304 - May be fatal if swallowed and enters airways
H340 - May cause genetic defects
H350 - May cause cancer

Precautionary statements (GHS-CA) : P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P251 - Do not pierce or burn, even after use
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P301+P310 - IF SWALLOWED: Immediately call a doctor
P308+P313 - IF exposed or concerned: Get medical advice/attention
P331 - Do NOT induce vomiting
P405 - Store locked up
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

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2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-CA)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS-CA)
Distillates, petroleum, hydrotreated heavy paraffinic (K&N)	Petroleum distillates, hydrotreated heavy paraffinic / Distillates (petroleum), hydrotreated heavy paraffinic / Distillates (petroleum), hydrotreated heavy paraffinic - base oil - unspecified / Distillates (petroleum) hydrotreated heavy paraffinic / Heavy base oils / Paraffin oil / Distillates, petroleum, hydrotreated heavy paraffinic (A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20-50 and produces a finished oil of at least 100 SUS at 100°F (19cSt at 40°C). It contains a relatively large proportion of saturated hydrocarbons.)	(CAS No) 64742-54-7	< 100	Carc. 1B, H350
Petroleum gases, liquefied, sweetened	Petroleum gases, liquified, sweetened / Petroleum gases, liquefied, sweetened (A complex combination of hydrocarbons obtained by subjecting liquefied petroleum gas mix to a sweetening process to convert mercaptans or to remove acidic impurities. It consists of hydrocarbons having carbon numbers predominantly in the range of C3-7 and boiling in the range of approximately -40-80°C.) / Petroleum gases, liquified, sweetened - petroleum gas	(CAS No) 68476-86-8	15 - 25	Flam. Gas 1, H220 Muta. 1B, H340 Carc. 1A, H350
1-Decene, homopolymer, hydrogenated	Homopolymer, decene hydrogenated / Hydrogenated polydecene / Decene, homopolymer, hydrogenated / Oronite synfluid 6 cst pao / Hydrogenated homopolymer made of 1-decene / HYDROGENATED POLYDECENE / Hydrogenated poly-1-decene / Dec-1-ene, homopolymer, hydrogenated	(CAS No) 68037-01-4	<= 3	Not classified
C.I. Solvent Red 164	Aquamate Red 20134 / Automate Red 164 / Automate Red B / Bas-oil Red / Solvent Red 164	(CAS No) 71819-51-7	<= 0.1	Not classified

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : Wash skin with plenty of water.
- First-aid measures after eye contact : Rinse eyes with water as a precaution.
- First-aid measures after ingestion : Do not induce vomiting. Call a physician immediately.
- First-aid measures general : Call a physician immediately. Concerning personal protective equipment to use, see section 8.

4.2. Most important symptoms and effects (acute and delayed)

- Symptoms/injuries after ingestion : Risk of lung oedema.

4.3. Immediate medical attention and special treatment, if necessary

- Other medical advice or treatment : Treat symptomatically.

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SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Unsuitable extinguishing media

Unsuitable extinguishing media : Do not use a heavy water stream.

5.3. Specific hazards arising from the hazardous product

Fire hazard : Extremely flammable aerosol.

Explosion hazard : Pressurised container: May burst if heated.

5.4. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid contact with skin and eyes. Avoid breathing dust, mist or spray.

6.2. Methods and materials for containment and cleaning up

For containment : Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or public waters.

Methods for cleaning up : In case of large spillages: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Shovel or sweep up and put in a closed container for disposal. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Notify authorities if product enters sewers or public waters.

Other information : Dispose of materials or solid residues at an authorized site.

6.3. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Provide local exhaust or general room ventilation. Wear personal protective equipment.

Hygiene measures : Separate working clothes from town clothes. Launder separately. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store locked up. Store in a well-ventilated place. Keep cool.

Incompatible products : Oxidizing agent. Strong acids. Strong bases.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

8.3. Individual protection measures/Personal protective equipment

Hand protection : Protective gloves.

Eye protection : Safety glasses.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazard protection : Not available.

Environmental exposure controls : Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance : Oily.

Colour : red

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Odour	: Odourless.
Odour threshold	: No data available
pH	: No data available
pH solution	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: > 260 °C (500 °F)
Flash point	: > -94 °C (-137.2 °F)
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Extremely flammable aerosol
Vapour pressure	: No data available
Vapour pressure at 50 °C	: No data available
Relative vapour density at 20 °C	: Not applicable.
Relative density	: 0.864
Relative density of saturated gas/air mixture	: No data available
Density	: No data available
Relative gas density	: No data available
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: >= 7.5 cSt
Explosive properties	: Pressurised container: May burst if heated.
Oxidising properties	: No data available
Explosive limits	: Not applicable N/A N/A

9.2. Other information

Minimum ignition energy	: ≈
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	: Extremely flammable aerosol. Pressurised container: May burst if heated.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.
Incompatible materials	: Oxidizing agent. Strong acids. Strong bases.
Hazardous decomposition products	: Nitrogen oxides. Sulphur oxides. hydrocarbons. Carbon monoxide. Carbon dioxide. Phosgene.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Distillates, petroleum, hydrotreated heavy paraffinic (K&N) (64742-54-7)

LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	> 2 g/kg
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: May cause genetic defects.
Carcinogenicity	: May cause cancer.

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Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified

Aspiration hazard : May be fatal if swallowed and enters airways.

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Viscosity, kinematic (calculated value) (40 °C)	>= 7.5 mm²/s

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Distillates, petroleum, hydrotreated heavy paraffinic (K&N) (64742-54-7)	
LC50 fish 1	> 5000 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna)

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

Petroleum gases, liquefied, sweetened (68476-86-8)	
Log Pow	<= 2.8

12.4. Mobility in soil

Petroleum gases, liquefied, sweetened (68476-86-8)	
Log Pow	<= 2.8

12.5. Other adverse effects

GWPmix comment : No known effects from this product.

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations : Do not allow into drains or water courses.
Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

14.1. Basic shipping description

In accordance with TDG

TDG

UN-No. (TDG) : 1950
TDG Primary Hazard Classes : 2.1 - Class 2.1 - Flammable Gas.
Transport document description : 1950 AEROSOLS, flammable, 2.1
Proper Shipping Name (TDG) : AEROSOLS, flammable

Hazard labels (TDG) : 2.1 - Flammable gases



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TDG Special Provisions	: 80 - Despite section 1.17 of Part 1, Coming into Force, Repeal, Interpretation, General Provisions and Special Cases, a person must not offer for transport or transport these dangerous goods unless they are in a means of containment that is in compliance with section 5.11 of Part 5, Means of Containment, except that the requirement for aerosol containers to be tightly packed in a wood, fibreboard or plastic box does not apply to a user or purchaser who transports no more than six aerosol containers. For a similar rule respecting aerosol containers, see subparagraph 1.15(1)(a)(i) of Part 1, Coming into Force, Repeal, Interpretation, General Provisions and Special Cases. SOR/2012-245 107 - (1)These Regulations, except for Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) and Part 2, (Classification), do not apply to the handling, offering for transport or transporting of UN1950, AEROSOLS, and UN2037, GAS CARTRIDGES, that contain dangerous goods included in Class 2.1 or Class 2.2 and that are transported on a road vehicle, a railway vehicle or a ship on a domestic voyage, if the aerosols or gas cartridges have a capacity less than or equal to 50 mL. (2)Subsection (1) does not apply to self-defence spray. SOR/2014-306
Explosive Limit and Limited Quantity Index	: 1 L

14.2. Transport information/DOT

DOT

DOT NA no.	: UN1950
UN-No.(DOT)	: 1950
Transport document description	: UN1950 Aerosols (flammable, n.o.s. (engine starting fluid) (each not exceeding 1 L capacity)), 2.1
Proper Shipping Name (DOT)	: Aerosols flammable, n.o.s. (engine starting fluid) (each not exceeding 1 L capacity)
Contains Statement Field Selection (DOT)	:
Class (DOT)	: 2.1 - Class 2.1 - Flammable gas 49 CFR 173.115
Division (DOT)	: 2.1
Hazard labels (DOT)	: 2.1 - Flammable gas



Dangerous for the environment	: No
DOT Special Provisions (49 CFR 172.102)	: N82 - See 173.306 of this subchapter for classification criteria for flammable aerosols
DOT Packaging Exceptions (49 CFR 173.xxx)	: 306
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 304
DOT Packaging Bulk (49 CFR 173.xxx)	: None
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: Forbidden
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 150 kg
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel
DOT Vessel Stowage Other	: 25 - Shade from radiant heat, 87 - Stow "separated from" Class 1 (explosives) except Division 14, 126 - Segregation same as for Class 9, miscellaneous hazardous materials
Other information	: No supplementary information available.

14.3. Air and sea transport

IMDG

UN-No. (IMDG)	: 1950
Proper Shipping Name (IMDG)	: AEROSOLS
Class (IMDG)	: 2 - Gases

IATA

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UN-No. (IATA)	: 1950
Proper Shipping Name (IATA)	: Aerosols, flammable (engine starting fluid)
Class (IATA)	: 2

SECTION 15: Regulatory information

15.1. National regulations

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Listed on the Canadian DSL (Domestic Substances List)

1-Decene, homopolymer, hydrogenated (68037-01-4)

Listed on the Canadian DSL (Domestic Substances List)

Petroleum gases, liquefied, sweetened (68476-86-8)

Listed on the Canadian DSL (Domestic Substances List)

Distillates, petroleum, hydrotreated heavy paraffinic (K&N) (64742-54-7)

Listed on the Canadian DSL (Domestic Substances List)

15.2. International regulations

1-Decene, homopolymer, hydrogenated (68037-01-4)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on CICR (Turkish Inventory and Control of Chemicals)

Petroleum gases, liquefied, sweetened (68476-86-8)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Listed on INSQ (Mexican National Inventory of Chemical Substances)

C.I. Solvent Red 164 (71819-51-7)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Distillates, petroleum, hydrotreated heavy paraffinic (K&N) (64742-54-7)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on CICR (Turkish Inventory and Control of Chemicals)

SECTION 16: Other information

Date of issue : 29/07/2016

Full text of H-statements:

H220	Extremely flammable gas
H222	Extremely flammable aerosol
H304	May be fatal if swallowed and enters airways
H340	May cause genetic defects
H350	May cause cancer

SDS Canada (GHS)

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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product