

MATERIAL SAFETY DATA SHEET

Prepared according to Commission Regulation (EU) No 453/2010

Section 1 Identification of substance/mixture and of the company/undertaking

1.1 Product identifier K&N Air Filter Oil
Synonyms None

1.2 Relevant identified uses of the substance or mixture and (uses advised against)
Air filter oil

1.3 Details of the supplier of the safety data sheet

Rock Oil Company
90 Priestley Street
Warrington
Cheshire
WA5 1ST
Tel 00 (44) 1925 636191
Fax 00 (44) 1925 632499
e-mail: Sales @rockoil.co.uk

1.4 Emergency Telephone Number (during office hours)
00 (44) 1925 636191 (8.00-17.00 UTC)

Section 2 Hazards identification

2.1 Classification of the substance or mixture (EC) No 1272/2008

This product is classified as:



Flam Gas 1 GHS02
H222 Extremely flammable aerosol



Press Gas GHS04
H280 Contains gas under pressure; may explode if heated

67/548/EC or 1999/45/EC

This product is classified as



R12 Extremely Flammable

Note: Product contains <0.1%w/w 1,3-butadiene (Einecs No 203-450-8) and is therefore not classed as a carcinogen or mutagen (Note K to Table 3.2 of Annex VI of CLP-Regulation (EC) No 1272/2008

For a full text of R- and H- phrases see Section 16

2.2 Label elements

(EC) No 1272/2008

Signal word: Danger

Precautionary statements:

P102 Keep out of reach of children.

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P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Pressurized container: Do not pierce or burn, even after use.

P403 Store in a well-ventilated place.

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

67/548/EC or 1999/45/EC

Avoid contact with eyes. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. In case of accident or if you feel unwell seek medical advice immediately (show the label where possible).

Supplemental label information

None

2.3 Other hazards

None

Section 3 Composition/information on ingredients

3.1 Mixtures

(EC) No 1272/2008 and 67/548/EC or 1999/45/EC

Ingredient	Conc.	CAS	EINECS	Symbols H Phrases	Symbols/ R Phrases
Butane 40	<50%	68476-85-7	270-704-2	Flam Gas 1 GHS02 H222 Extremely flammable aerosol Press Gas GHS04 H280 Contains gas under pressure; may explode if heated.	F+ R12
Highly-refined mineral oils	>50%	Mixture	-	Non-hazardous	Non-hazardous

Note: Product contains <0.1%w/w 1,3-butadiene (Einecs No 203-450-8) and is therefore not classed as a carcinogen or mutagen (Note K to Table 3.2 of Annex VI of CLP-Regulation (EC) No 1272/2008)

Section 4 First Aid measures

4.1 Description of first aid measures

Skin: May cause irritation to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.

Eyes: May cause irritation to eyes. Rinse immediately with plenty of water for 15 minutes, holding the eyelids open. Seek medical attention if irritation or symptoms persist.

Inhaled: May cause irritation to mucus membranes. Move the exposed person to fresh air.

Swallowed: May cause irritation to mucous membranes. DO NOT INDUCE VOMITING. Seek medical attention if irritation or symptoms persist.

Advice for first aiders

When providing first aid always protect yourself against exposure to chemicals or blood borne diseases by wearing gloves, mask and eye protection as appropriate. After providing first aid wash your skin with soap and water.

4.2 Most important symptoms and effects, both acute and delayed

See section 11

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4.3 Indication of any immediate medical attention and special treatment needed

Note to physician: Treat symptomatically

Section 5 Fire Fighting Measures

5.1 Extinguishing media

DO NOT USE WATER. Use CO₂ or foam. Cool containers to prevent rupture.

5.2 Special Hazards arising from substance or mixture

Burning produces irritating, toxic and obnoxious fumes.

5.3 Advice for fire-fighters

Wear suitable respiratory equipment when necessary. A respirator fitted with an organic vapour cartridge combined with a particulate pre-filter should be considered. Half masks (EN 149) or valved half masks (EN 405) in combination with type A2 (EN 141) and P2/3 (EN 143) pre-filters maybe considered.

Section 6 Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation of the workplace. If containers are ruptured extinguish all ignition sources. Ventilate area, particularly at low level.

6.2 Environmental precautions

Do not allow product to enter drains. Prevent further spillage if safe to do so.

6.3 Methods and materials for containment and cleaning up

Absorb with inert absorbent material. Sweep up and transfer to suitable labelled storage containers for disposal. Clean spillage area thoroughly with plenty of water.

6.4 Reference to other sections

See sections 8 and 13 for additional information

Section 7 Handling and Storage

7.1 Precautions for safe handling

Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing. Keep out of the reach of children.

7.2 Conditions for safe storage, including any incompatibles

Keep in a cool dry well-ventilated area. Keep containers tightly closed. Store in correctly labelled containers. See section 10 for incompatible materials

7.3 Specific end use

See instructions enclosed with original pack for details of use.

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Section 8 Exposure Controls / Personal Protection

8.1 Control parameters

Substance	Regulations	Exposure Duration
Oil mist, mineral	EH 40 2005	TWA 5 mg/m ³
	EH 40 2005	STEL 10 mg/m ³

8.2 Exposure controls

Use with adequate ventilation. Do not smoke during use.

Eye/face protection

Goggles conforming to a minimum standard of EN 166 345B should be considered if there is a possibility of eye contact with the product.

Skin protection

Chemical resistant gloves (PVC)

Respiratory protection

Use respirator with a combination organic vapour and high efficiency filter cartridge if recommended exposure limit is to be exceeded. Avoid breathing spray.

Hygiene measures

Wash thoroughly after handling this product.

Environmental exposure controls

See section 6 for details.

Section 9 Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance	Red liquid
Odour	Mild
Odour threshold	Not determined
pH	Not applicable
Melting/freezing Point	Not determined
Boiling Point (liquid phase)	>280°C
Boiling point range	Not applicable
Flash Point (liquid phase)	240°C
Evaporation rate	Not determined
Flammability (solid, gas)	Extremely flammable
Vapour pressure (liquid phase)	Expected to be less than 0.5 Pa at 20°C
Relative density (liquid phase)	0.875gm/ml (nominal)
Bulk density	Not applicable
Water solubility	Insoluble
Other solubilities	Not determined
Partition coefficient octanol/water	Log Pow expected to be greater than 6
Auto ignition point (liquid phase)	expected to be >320°C
Decomposition temperature	Not determined
Viscosity (liquid phase)	47.3 cSt
Explosive properties	Material does not have explosive properties
Oxidising properties	Material is a non-oxidising substance

9.2 Other information

None

Section 10 Stability and Reactivity

10.1 Reactivity

Carefully review all information in sections 10.2-10.6

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10.2 Chemical stability

Stable under normal conditions. Cans may rupture in a fire with the release of flammable propellant.

10.3 Possibility of hazardous reactions

Will not occur

10.4 Conditions to avoid

Heat, sparks, open flames or any other ignition source.

10.5 Incompatible materials

Strong acids, oxidising agents.

10.6 Hazardous decomposition products

Smoke and other products of thermal decomposition.

Section 11 Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Oral LD50 expected to be > 2000 mg/kg.

Dermal LD50 expected to be > 2000 mg/kg.

Inhalation Deliberate inhalation could prove fatal in extreme circumstances.

Skin corrosion/irritation

Not expected to be a primary skin irritant. Prolonged or repeated exposure from clothing wet with material may cause dermatitis. Symptoms may include redness, drying or cracking of skin.

Serious eye damage/irritation

May cause irritation to the eyes. Seek medical attention if irritation persists.

Respiratory irritation

If material is misted or heated causing vapours to be generated exposure may cause irritation of mucous membranes and upper respiratory tract.

Respiratory or skin sensitisation

Skin Not expected to be a skin sensitizer

Respiratory If mists are inhaled, slight irritation of the respiratory tract may occur.

Germ cell mutagenicity No mutagenic effects reported

Carcinogenicity No carcinogenic effects reported

Reproductive toxicity No teratogenic effects reported.

STOT repeated exposure No data available

Other information Prolonged and/or repeated contact with products containing mineral oils may result in defatting of the skin, particularly at elevated temperatures. This may lead to irritation and possibly dermatitis, especially under conditions of poor personal hygiene. Skin contact should be minimised. High pressure injection of product into the skin may lead to local necrosis if the product is not surgically removed. Used oils may contain harmful impurities that have accumulated during use. The concentration of such impurities will depend on use and they may present risks to health and the environment on disposal. ALL used oil should be handled with caution and skin contact avoided as far as possible.

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Section 12 Ecological Information

12.1 Toxicity

Freshwater fish	Product is expected to be practically non-toxic
Freshwater invertebrates	Product is expected to be practically non-toxic
Algae	Product is expected to be practically non-toxic
Bacteria	Product is expected to be practically non-toxic

12.2 Persistence and degradability

Not expected to be readily biodegradable. Major constituents are expected to be inherently biodegradable, but the product contains components that may persist in the environment

12.3 Bio-accumulative potential

Contains components with the potential to bioaccumulate

12.4 Mobility in soil

Liquid under most environmental conditions. Floats on water. If it enters soil, it will adsorb to soil particles and will not be mobile.

12.5 Results of PBT and vPvT assessment

Not available

12.6 Other adverse effects

None known

Section 13 Disposal considerations

Waste Disposal

Recycle or dispose of in accordance with prevailing regulations, by a recognised collector or contractor. The competence of the contractor to deal satisfactorily with this type of product should be established beforehand. Do not pollute the soil, water or environment with the waste product.

Product Disposal

As for waste disposal.

Container Disposal

Recycle or dispose of in accordance with the legislation in force with a recognised collector or contractor.

Section 14 Transport information

14.1 UN Number

1950

14.2 UN Proper Shipping Name

Aerosols

14.3 Transport hazard class(es)

2

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14.4 Packing Group

II

14.5 Environmental hazards

Not regulated

14.6 Special precautions for users

Not regulated

14.7 Transport in bulk according to Annex II of Marpol 73/78 and the IBC Code

Not applicable

Section 15 Regulatory information

15.1 Safety, health and environment regulations/legislation specific for the substance or mixture

15.1 Pictograms



R12 Extremely flammable



Flam Gas 1 GHS02

H222 Extremely flammable aerosol



Press Gas GHS04

H280 Contains gas under pressure; may explode if heated

15.2 Signal word

Danger

15.3 Hazard statement

H222 Extremely flammable aerosol

H280 Contains gas under pressure; may explode if heated.

15.4 Safety, health and environment regulations/legislation specific for the substance or mixture

Not regulated

15.5 Chemical Safety Assessment

No chemical safety assessment has been carried out.

Section 16 Other Information

Labelling for contents Extremely flammable

Created date 01/10/2011, version 1.0

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Relevant R- phrases



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R12 Extremely flammable

Relevant H- phrases

H222 Extremely flammable aerosol.

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The information supplied in this data sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.

Prepared for:

K&N Filters (Europe) Ltd.

John Street

Warrington Cheshire

United Kingdom WA2 7UB

Phone: +44 (0) 1925-636950

K&N Engineering, Inc.

PO Box 1329

Riverside, California 92502

United States

Phone: +1 951 826 4000