

# 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

WA8 7UF

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

H229 Pressurised container: may burst if heated

*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

Pictograms:



#### Hazard Statements:

H222 Extremely flammable aerosol

H229 Pressurized container: may burst if heated.

# MATERIAL SAFETY DATA SHEET

## Precautionary statements:

P102 Keep out of reach of children.  
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.  
P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.  
P501 Dispose of contents/container in accordance with local regulation.

## 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 H229 Pressurised container: may burst 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 lukewarm 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.

# MATERIAL SAFETY DATA SHEET

## **4.2 Most important symptoms and effects, both acute and delayed**

See section 11

## **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 CO<sub>2</sub> 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. Keep away from sources of ignition. See section 10 for incompatible materials

### **7.3 Specific end use**

See instructions enclosed with original pack for details of use.

## MATERIAL SAFETY DATA SHEET

### Section 8 Exposure Controls / Personal Protection

#### 8.1 Control parameters

**Substance:** Oil mist

TWA 1 mg/m<sup>3</sup>

STEL 3 mg/m<sup>3</sup>

#### 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.

Chemical resistant gloves (PVC)

##### Skin protection

##### 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

## MATERIAL SAFETY DATA SHEET

### 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.

# MATERIAL SAFETY DATA SHEET

## Section 12 Ecological Information

### 12.1 Toxicity

<b>Freshwater fish</b>	Product is expected to be practically non-toxic
<b>Freshwater invertebrates</b>	Product is expected to be practically non-toxic
<b>Algae</b>	Product is expected to be practically non-toxic
<b>Bacteria</b>	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 bio-accumulate

### 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

### 13.1. Waste treatment methods

#### **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. Wastewater should not be discharged through the discharge to the sanitary sewer.

#### **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

## MATERIAL SAFETY DATA SHEET

### 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**  
EU aerosol directive (75/324/EEC)

### 15.2 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

**Revision date**                                    08/01/2016, version 1.2

### Relevant R- phrases

R12 Extremely flammable

### Relevant H- phrases

H222 Extremely flammable aerosol.

H229 Pressurized container: may burst if heated.

### Precautionary Statements:

P102 Keep out of reach of children.

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.

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

P501 Dispose of contents/container in accordance with local regulation.

**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.**



Version 1.2: 08/01/2016

Page 8 of 8

99-0504EU/99-0516EU/99-5000EU

## MATERIAL SAFETY DATA SHEET

Prepared for:  
K&N Filters (Europe) Ltd.  
Unit 9  
Ashville Way  
RUNCORN  
United Kingdom  
Phone: +44-1925-636950

K&N Engineering, Inc.  
PO Box 1329  
Riverside, California 92502  
United States  
Phone: +1 951 826 4000