

# 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 Power Kleen™

#### Synonyms

Air Filter Cleaner

### 1.2 Relevant identified uses of the substance or mixture and (uses advised against)

Air filter cleaner

### 1.3 Details of the supplier of the safety data sheet

K&N Rock Oil Company

90 Priestley Street

Warrington

Cheshire

WA5 1ST

Tel 00 (44) 1925 636191

Fax 00 (44) 1925 632499

e-mail: [martyn@rockoil.co.uk](mailto:martyn@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:



Serious eye Damage Cat.1: H318 Causes serious eye damage

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

### 2.2 Label elements

(EC) No 1272/2008

Hazard Pictogram



#### Signal word

Danger

#### Hazard statement

H318 Causes serious eye damage

#### Precautionary statements:

P280: Wear protective gloves/protective clothing/eye protection/face protection

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P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313: If eye irritation persists: Get medical advice/attention

P405: Store locked up.

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

## Supplemental label information

Non-ionic surfactants 5 % or over but less than 15 %

## 2.3 Other hazards

Spillage may create a slip hazard.

## 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
Water	80-90%				
Alcohol ethoxylate	1-10%	68439-46-3	614-482-0	Acute Tox.4 H302 Serious Eye Dam. 1 H318	Xn:R22 Xi:R41
PME (2-methoxymethylethoxy) propanol	1-10%	34590-94-8	252-104-2		
Antifoam	0-0.5%				
Dye	0-0.5%				
Ethanolamine (2-aminoethanol)	0-0.5%	141-43-5	205-483-3	Acute Tox. 4 H332 Acute Tox. 4 H312 Acute Tox. 4 H302 Skin Corr. 1B H314	Xn:R20/21/22 C:R34

*NB Material contains 5 % or over but less than 15 % non-ionic surfactant.*

## 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 and wash before reuse. 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. If experiencing respiratory symptoms call a poison centre or doctor.

**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

### 4.3 Indication of any immediate medical attention and special treatment needed

Note to physician: Treat symptomatically.

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## Section 5 Fire Fighting Measures

### 5.1 Extinguishing media

In case of fire: use CO<sub>2</sub>, dry chemical or foam for extinction. Use extinguishing media suitable to the surrounding fire conditions.

### 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.

### 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.

### 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.

## Section 8 Exposure Controls / Personal Protection

### 8.1 Control parameters

PME	WEL 8-hr limit ppm: 50	WEL 8-hr limit mg/m <sup>3</sup> : 308
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m <sup>3</sup> : -
Ethanolamine	WEL 8-hr limit ppm: 1	WEL 8-hr limit mg/m <sup>3</sup> : 2.5
	WEL 15 min limit ppm: 3	WEL 15 min limit mg/m <sup>3</sup> : 7.6

### 8.2 Exposure controls

Use with adequate ventilation.

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<b>Eye/face protection</b>	Goggles conforming to a minimum standard of EN 166 345B should be considered if there is a possibility of eye contact with the product.
<b>Skin protection</b>	Chemical resistant gloves (PVC).
<b>Respiratory protection</b>	Use respirator with a combination organic vapour and high efficiency filter cartridge if recommended exposure limit is to be exceeded.
<b>Hygiene measures</b>	Wash thoroughly after handling this product.
<b>Environmental exposure controls</b>	See section 6 for details.

### Section 9 Physical and Chemical Properties

#### 9.1 Information on basic physical and chemical properties

<b>Appearance</b>	Red liquid
<b>Odour</b>	Mild
<b>Odour threshold</b>	Not determined
<b>pH</b>	8.5 (nominal)
<b>Melting/freezing Point</b>	Not determined
<b>Boiling Point</b>	100°C
<b>Boiling point range</b>	Not applicable
<b>Flash Point</b>	Not applicable
<b>Evaporation rate</b>	Not determined
<b>Flammability (solid, gas)</b>	Not applicable
<b>Lower flammability or explosion limit</b>	Not applicable
<b>Upper flammability or explosion limit</b>	Not applicable
<b>Vapour pressure</b>	Not determined
<b>Relative density</b>	1.015gm/ml (nominal)
<b>Bulk density</b>	Not applicable
<b>Water solubility</b>	Total
<b>Other solubilities</b>	Not determined
<b>Partition coefficient octanol/water</b>	Not applicable
<b>Auto ignition point</b>	Not applicable
<b>Decomposition temperature</b>	Not determined
<b>Viscosity</b>	Not determined
<b>Explosive properties</b>	Material does not have explosive properties
<b>Oxidising properties</b>	Material is a non-oxidising substance

#### 9.2 Other information

None

### Section 10 Stability and Reactivity

#### 10.1 Reactivity

Careful review all information in sections 10.2-10.6.

#### 10.2 Chemical stability

Stable under normal conditions.

#### 10.3 Possibility of hazardous reactions

Will not occur.

#### 10.4 Conditions to avoid

Not determined.

#### 10.5 Incompatible materials

Strong acids, oxidising agents.

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## 10.6 Hazardous decomposition products

Smoke and other products of thermal decomposition.

## Section 11 Toxicological information

### 11.1 Information on toxicological effects

**Acute toxicity:** Not classified

#### Alcohol ethoxylate (68439-46-3)

**Oral:** LD50 >2000 mg/kg (rat)

**Dermal:** LD50 > 2000 mg/kg (rabbit)

**Inhalation:** No data available

#### 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** No data available

**Respiratory** No data available

**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** Pre-existing skin conditions may be aggravated by prolonged or repeated exposure.

## Section 12 Ecological Information

### 12.1 Toxicity

**Freshwater fish** No further data available

**Freshwater invertebrates** No further data available

**Algae** No further data available

**Bacteria** No further data available

### 12.2 Persistence and degradability

More than 90% biodegradable. Readily biodegradable.

### 12.3 Bio-accumulative potential

Does not bio-accumulate

### 12.4 mobility in soil

Expected to be completely mobile

### 12.5 results of PBT and vPvT assessment

Not available

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### 12.6 other adverse effects

None known

### Section 13 Disposal considerations

#### 13.1 Waste treatment methods

Dispose of in compliance with local and national regulations.

### Section 14 Transport information

#### 14.1 UN Number

Not regulated

#### 14.2 UN Proper Shipping Name

Not regulated

#### 14.3 Transport hazard class(es)

Not regulated

#### 14.4 Packing Group

Not regulated

#### 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

Regulation (EC) No 648/2004

#### 15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out.

### Section 16 Other Information

**Labelling for contents** Non-ionic surfactants 5 % or over but less than 15 %

**Creation date** 01/10/2011, version 1.0

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

#### R phrases:

R22 Harmful if swallowed  
R41 Risk of serious damage to eyes

#### H phrases:

H302 Harmful if swallowed  
H312 Harmful in contact with skin  
H314 Causes severe skin burns and eye damage

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H318 Causes Serious Eye Damage  
H332 Harmful if inhaled

### Precautionary statements:

P280: Wear protective gloves/protective clothing/eye protection/face protection

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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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.**

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