

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

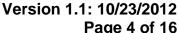
Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing. Keep out of the reach of children.

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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Exposure Controls / Personal Protection Section 8

8.1 Control parameters

Substance Regulations **Exposure Duration** EH 40 2005 TWA 5 mg/m3 Oil mist, mineral STEL 10 mg/m3 EH 40 2005

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.

See section 6 for details. **Environmental exposure controls**

Section 9 **Physical and Chemical Properties**

9.1 Information on basic physical and chemical properties

Appearance Red liquid

Odour Mild

Odour threshold Not determined На Not applicable Melting/freezing Point Not determined

Boiling Point (liquid phase) >280°C Not applicable

Boiling point range

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

expected to be >320°C Auto ignition point (liquid phase)

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

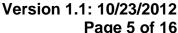
9.2 Other information

None

Stability and Reactivity Section 10

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 eve 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
Carcinogenicity
No mutagenic effects reported
No carcinogenic effects reported
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.



Section 12 Ecological Information

12.1 Toxicity

Freshwater fish
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

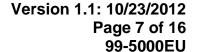
1950

14.2 UN Proper Shipping Name

Aerosols

14.3 Transport hazard class(es)

2





14.4 Packing Group

Ш

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

 Revision date
 10/23/2012, version 1.1

Relevant R-phrases



R12 Extremely flammable

Relevant H-phrases

H222 Extremely flammable aerosol.

H280 Contains gas under pressure; may explode 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.

P403 Store in a well-ventilated place.

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

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

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

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

1.5 Product identifier

K&N Power Kleen_{TM} **Synonyms**

Air Filter Cleaner

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

Air filter cleaner

1.7 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: sales@rockoil.co.uk

1.8 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:



Acute toxicity – Oral Cat. 4 H302 Harmful if swallowed

Note: This mixture is not classified as Eye Irritant 2 (H319) and Skin Irritant 2 (H315), because the concentration Tridecyl alcohol ethoxylate in the mixture is lower than 10% (Tables 3.2.3 and 3.3.3 CLP).

Note2: The concentration 2-aminoethanol (ethanolamine) in this mixture is lower than the cut-off value for ingredients with hazard statement Acute Toxicity 4 (H302, H312, H332) and Skin Corrosive 1B (H314). Therefore the hazard classifications do not apply (article 11 and annex 1, table 1.1, CLP).

67/548/EC or 1999/45/EC

This product is classified as:



Harmful (Xn) R22 Harmful if swallowed Irritant (Xi) R36 Irritating to eyes R38 Irritating to skin

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

2.2 Label elements (EC) No 1272/2008 Signal word: Warning Precautionary statements:

P264 Wash hands thoroughly after handling.



P270 Do not eat, drink or smoke when using this product.

P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P330 Rinse mouth.

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

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%				
Tridecyl alcohol ethoxylate	<1-10%	68439-45-2	614-481-5	Acute Tox.4 H302 Eye Irit.2 H319 Skin Irrit. 2 H315	Xn:R22 Xi:R36,38
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 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.

Version 1.1: 10/23/2012

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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

THE WORLD'S BEST AIR FILTER

In case of fire: use CO2, 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

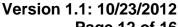
Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.

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. 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

PME WEL 8-hr limit ppm: 50 WEL 8-hr limit mg/m³: 308 WEL 15 min limit ppm: - WEL 15 min limit mg/m³: -

WEL 15 min limit ppm: - WEL 15 min limit mg/m⁻: Ethanolamine WEL 8-hr limit ppm: 1 WEL 8-hr limit mg/m³: 2.5

WEL 15 min limit ppm: 3 WEL 15 min limit mg/m³: 7.6

8.2 Exposure controls

Use with adequate ventilation.

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 protectionUse respirator with a combination organic vapour and high efficiency

filter cartridge if recommended exposure limit is to be exceeded.

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 thresholdNot determinedpH8.5 (nominal)Melting/freezing PointNot determined

Boiling Point 100°C

Boiling point range

Flash Point

Evaporation rate
Flammability (solid, gas)

Lower flammability or explosion limit

Upper flammability or explosion limit

Not applicable
Not applicable
Not applicable
Not applicable

Vapour pressure
Relative density

Not determined
1.015gm/ml (nominal)

Bulk density Not applicable

Water solubility Total

Other solubilities
Partition coefficient octanol/water
Auto ignition point
Not applicable
Not applicable

Decomposition temperature
Viscosity

Not determined
Not determined

Explosive propertiesOxidising properties
Material does not have explosive properties
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.

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 No data available
Dermal No data available
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

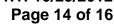
SkinNo data availableRespiratoryNo data available

Germ cell mutagenicity
Carcinogenicity
Reproductive toxicity
No mutagenic effects reported
No carcinogenic effects reported
No teratogenic effects reported

STOT repeated exposure No data available

Other information Pre-existing skin conditions may be aggravated by prolonged or

repeated exposure.





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Section 12 **Ecological Information**

12.1 Toxicity Freshwater fish Freshwater invertebrates Algae **Bacteria**

No data available No data available No data available No data available

12.2 Persistence and degradability

More than 90% 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

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.

Transport information Section 14

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

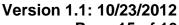
Not regulated

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





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Section 15 Regulatory information

15.1 Pictogram



Acute toxicity – Oral Cat. 4 H302 Harmful if swallowed



Harmful (Xn) R22 Harmful if swallowed Irritant (Xi) R36 Irritating to eyes

R38 Irritating to skin

15.2 Signal word

Warning

15.3 Hazard statement

Acute toxicity - Oral, H302 "Harmful if swallowed"

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

Creation date 01/10/2011, version 1.0 **Revision date** 10/23/2012, version 1.1

Relevant R phrases:

R22 Harmful if swallowed R36 Irritating to eyes R38 Irritating to skin

Relevant H phrases:

H302 Harmful if swallowed H315 Causes skin irritation

H319 Causes serious eye irritation

Precautionary statements:

P264 Wash hands thoroughly after handling.

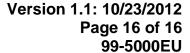
P270 Do not eat, drink or smoke when using this product.

P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P330 Rinse mouth

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.

Prepared for:

K&N Filters (Europe) Ltd. John Street Warrington Cheshire United Kingdom WA2 7UB Phone: +44 (0)1925-636950

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