



ISO 21469 Certified

VAC PUMP Oil

Food grade, high performance, vacuum pump oil

Product Overview

ROCOL® VAC PUMP Oil is a non-toxic, ISO VG 100, high performance vacuum oil formulated to maximise lubricant lifetime, even under conditions of high load and elevated temperature.

ROCOL VAC PUMP Oil has a low vapour pressure to enhance pump efficiency and is suitable for use with a wide range of vacuum pump formats particularly those found in food, pharmaceutical and other clean environments where NSF H1 lubricants are required.

ROCOL VAC PUMP Oil is also an extremely efficient flushing oil.

Features and Benefits

- ROCOL VAC PUMP Oil offers an excellent wide temperature resistance of -5°C to +130°C.
- ROCOL VAC PUMP Oil minimises deposits in vacuum pump systems for increased pump reliability and efficiency.
- High performance oil formulated to maximise lubricant lifetime, even under conditions of high load and elevated temperature.
- ROCOL VAC PUMP Oil prevents corrosion often experienced in vacuum pumps due to moisture ingress.
- Non-toxic, NSF H1 registered oil for use where incidental contact with foodstuffs may occur.
- ROCOL VAC PUMP Oil is a clean low odour product.

Directions for Storage and Use

- For optimum performance drain & flush the vacuum pump sump prior to filling with ROCOL VAC PUMP Oil.
- Flushing with ROCOL VAC PUMP Oil :
 - Run gearbox to warm up old oil
 - Drain off old oil
 - Fill with VAC PUMP Oil to correct level
 - Run off-load for 10-20 mins
 - Drain and fill with correct oil
- The storage temperature should be controlled between +1°C and +40°C.
- Shelf life is 3 years from date of manufacture.

Specifications

- VAC PUMP Oil does not contain: animal derived materials, nut oils or genetically modified ingredients.
- VAC PUMP Oil is manufactured from only FDA listed ingredients:
 - FDA Group 21 CFR 178.3570
- VAC PUMP Oil is NSF registered:
 - NSF H1 registered – 137855
- ISO 21469 certified

Pack Sizes

Pack Size	Part Code
5L	16806
20L	16805



Technical Data

ROCOL[®]

Performance you can trust



ISO 21469 Certified

VAC PUMP Oil

Food grade, high performance, vacuum pump oil

Property	Test Method	Result
Appearance	Visual	Colourless liquid
Base Type	N/A	High purity base fluid
Kinematic Viscosity at 40°C	IP 71 (ASTM D445)	100cSt
Odour	N/A	Barely perceptible
Temperature Range - Standard	N/A	-5°C to +130°C
Flash Point	ASTM D92	>240°C
Specific Gravity	N/A	0.86

Values quoted above are typical and do not constitute a specification.

Safety Data Sheets

Safety data sheets are available for download from our website www.rocol.com or may be obtained from your usual ROCOL contact.

The information in this publication is based on our experience and reports from customers. There are many factors outside our control or knowledge which affect the use and performance of our products, for which reason it is given without responsibility.

Issue: 2 Date: 01-11

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ROCOL A division of **ITW** Ltd



BS EN ISO 9001
Certificate No. FM 12448



BS EN ISO 14001
Certificate No. EMS 67596



OHSAS 18001
Certificate No. OHS 78173



INVESTORS
IN PEOPLE



SAFETY DATA SHEET

VAC PUMP OIL

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Compilation date: 22/11/2012

Revision No: 3

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

1.1. Product identifier

Product name: VAC PUMP OIL

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of substance / mixture: Oil for vacuum pumps and flushing oil

1.3. Details of the supplier of the safety data sheet

Company name: ROCOL

ROCOL House

Swillington

Leeds

West Yorkshire

LS26 8BS

ENGLAND

Tel: +44 (0) 113 232 2700

Fax: +44 (0) 113 232 2740

Email: customer-service@rocol.com

1.4. Emergency telephone number

Emergency tel: +44 (0) 113 232 2600

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CHIP: This product has no classification under CHIP.

2.2. Label elements

Label elements under CHIP:

Hazard symbols: No significant hazard.

2.3. Other hazards

PBT: This substance is not identified as a PBT substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

[cont...]

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Hazardous ingredients:

TECHNICAL WHITE OIL

EINECS	CAS	CHIP Classification	CLP Classification	Percent
232-455-8	8042-47-5	Substance with a Community workplace exposure limit.	-	>90%

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes.

Ingestion: Wash out mouth with water.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

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

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Use water spray to cool containers. Alcohol or polymer foam. Dry chemical powder.
Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

[cont...]

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6.4. Reference to other sections

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Avoid the formation or spread of mists in the air.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in cool, well ventilated area. Keep away from direct sunlight.

Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

TECHNICAL WHITE OIL

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	5mg/m3	-	-	-

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Respiratory protection not normally required.

Hand protection: Protective gloves.

Eye protection: Safety glasses with side-shields.

Skin protection: Protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Colourless

Odour: Barely perceptible odour

Evaporation rate: Negligible

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Insoluble

Kinematic viscosity: 100cSt

Viscosity test method: Kinematic viscosity in 10⁻⁶ m²/s at 40°C (ISO 3104/3105)

Melting point/range°C: < -9

Flash point°C: > 240

Autoflammability°C: > 240

Relative density: 0.86

[cont...]

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9.2. Other information

Other information: Not applicable.

Section 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Conditions to avoid: Heat. Direct sunlight.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong reducing agents.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

Section 11: Toxicological information

11.1. Information on toxicological effects

Toxicity values: Not applicable.

Symptoms / routes of exposure

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: Not applicable.

12.2. Persistence and degradability

Persistence and degradability: Only slightly biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Non-volatile. Insoluble in water. Readily absorbed into soil.

[cont...]

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12.5. Results of PBT and vPvB assessment

PBT identification: This substance is not identified as a PBT substance.

12.6. Other adverse effects

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal of packaging: Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

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

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

Compiled in accordance with REACH.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.