

ENOC POLAR P 68

Safety Data Sheet

according to Regulation (EU) 2015/830

Date of issue: 06.09.2018

Revision date: 06.09.2018

Version: 1.0



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

1.1. Product identifier

Product form : Mixture
Product name : ENOC POLAR P 68
Product code : 244109

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Refrigeration Lubricants

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

ENOC Marketing L.L.C
ENOC House I
Dubai - United Arab Emirates
T +971 4 313 4613 - F +971 4 313 4616

1.4. Emergency telephone number

Emergency number : +97143374400
(business hours)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

EUH-statements : EUH208 - Contains Calcium petroleum sulfonate(61789-86-4). May produce an allergic reaction

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Chemical name	Concentration	EC No	REACH Registration No.
White mineral oil (petroleum)	1-10%	232-455-8	01-2119487078-27
Lubricating oils (petroleum), C15- 30, hydrotreated neutral oil-based	1-10%	276-737-9	Skin Sens. 1, H317

600, 700 and 900 ECHA List Numbers do not have any legal significance; rather they are purely technical identifiers and are displayed for informational purposes only.

Classification Regulation No. 1272/2008.

Chemical name	Classification	Notes
White mineral oil (petroleum)	Asp. Tox. 1; H304	
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	Asp. Tox. 1; H304	

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The full text for all H-phrases is displayed in section 16.

See Section 15 for Regulation (EC) No. 1907/2006 REACH Article 59(1). Candidate List (Substances of Very High Concern (SVHC))

SECTION 4: First aid measures

4.1. Description of first aid measures

- | | |
|---------------------------------------|--|
| First-aid measures after inhalation | : Remove victim to fresh air and keep at rest in a position comfortable for breathing. |
| First-aid measures after skin contact | : Take off immediately all contaminated clothing. Wash off immediately with soap and plenty of water. If skin irritation occurs: Get medical advice/attention. |
| First-aid measures after eye contact | : Rinse immediately and plentifully with water, also under the eyelids, for at least 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| First-aid measures after ingestion | : Do not induce vomiting. Never give anything by mouth to an unconscious person. Immediately get medical attention. |

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

- | | |
|-------------------|------------------------|
| Hazards: | No data available. |
| Treatment: | Treat symptomatically. |

SECTION 5: Firefighting measures

5.1. Extinguishing media

- | | |
|--------------------------------|--|
| Suitable extinguishing media | : carbon dioxide (CO ₂), water, dry chemical powder. |
| Unsuitable extinguishing media | : None known. |

5.2. Special hazards arising from the substance or mixture

- | | |
|--|---|
| Fire hazard | : None known. |
| Explosion hazard | : None known. |
| Hazardous decomposition products in case of fire | : Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide. Aldehydes. Sulfur oxides. |

5.3. Advice for firefighters

- | | |
|---------------------------------------|---|
| Firefighting instructions | : Cool down the containers exposed to heat with a water spray. |
| Protective equipment for firefighters | : Wear proper protective equipment. In case of fire: Wear self-contained breathing apparatus. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- | | |
|----------------------|---|
| Protective equipment | : Wear personal protection equipment. |
| Emergency procedures | : Evacuate area. Avoid contact with skin, eyes and clothes. |

6.1.2. For emergency responders

- | | |
|----------------------|--|
| Protective equipment | : Wear suitable protective clothing. In case of fire: Wear self-contained breathing apparatus. |
| Emergency procedures | : Evacuate and limit access. Stop leak if safe to do so. Use ventilation/water spray/fog to disperse vapours. Do not touch spilled material. |

6.2. Environmental precautions

Avoid release to the environment. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- | | |
|-------------------------|--|
| For containment | : Clean up any spills as soon as possible, using an absorbent material to collect it. For larger spills, dike area and pump into waste containers. |
| Methods for cleaning up | : Collect all waste in suitable and labelled containers and dispose according to local legislation. |

6.4. Reference to other sections

See sections 8 and 13 for additional information.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : Handling this product may result in electrostatic accumulation. Use proper grounding procedures.
- Precautions for safe handling : Avoid contact with skin, eyes and clothing. Avoid inhalation of vapours. Avoid static electricity discharges. Provide earthing of containers, equipment, pumps and ventilation facilities.
- Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Handle in accordance with good industrial hygiene and safety practices. Take off contaminated clothes. Wash contaminated clothing prior to re-use.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. See section 10 for incompatible materials.
- Special rules on packaging : Keep only in original container.
- Maximum Storage Temperature : Not determined

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational Exposure Limits

None of the components have assigned exposure limits

8.2. Exposure controls

- Appropriate engineering controls : Either local exhaust or general room ventilation is usually required.
- Personal protective equipment : Gloves. Protective clothing. Insufficient ventilation: wear respiratory protection.
- Materials for protective clothing : Wear suitable protective clothing. Natural fibres (e.g. cotton)
- Hand protection : Wear suitable gloves tested to EN374. Thickness of glove material: > 0.13 mm. Break through time: ≥ 480 min
- Eye protection : Use splash goggles when eye contact due to splashing is possible. DIN EN 166
- Respiratory protection : In case of inadequate ventilation wear respiratory protection. Wear a respirator conforming to EN140 with Type A/P2 filter or better
- Environmental controls : No data available. See section 6 for details.



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Liquid
- Colour : Colourless to yellow
- Odour : Characteristics.
- Odour threshold : No data available
- pH : No data available
- Relative evaporation rate (butyl acetate=1) : No data available
- Melting point : No data available
- Freezing point : No data available
- Boiling point : No data available
- Flash point : 222 °C (COC)
- Auto-ignition temperature : 246 °C
- Decomposition temperature : No data available

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Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 0.867 g/mL @ 15°C
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: 69 mm²/s @ 40°C
Viscosity, dynamic	: No data available
Explosive properties	: Not explosive. However, formation of explosive air/vapour mixtures are possible.
Oxidising properties	: not oxidizing.
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None known under normal conditions of use. No polymerization.

10.4. Conditions to avoid

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

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

No hazardous decomposition products known at room temperature.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

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Viscosity, kinematic	69 mm²/s @ 40°C
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SECTION 12: Ecological information

12.1. Toxicity

Fish

White mineral oil (petroleum)

LC 50 (Not reported, 96 h): > 10,000 mg/l

NOEC (Not reported, 96 h): > 10,000 mg/l

Aquatic Invertebrates

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White mineral oil (petroleum)	EC 50 (Water flea (Daphnia magna), 2 d): > 100 mg/l NOEC (Water flea (Daphnia magna), 2 d): >= 100 mg/l EC 50 (Water flea (Daphnia magna), 21 d): > 10 mg/l NOEC (Water flea (Daphnia magna), 21 d): 10 mg/l
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	EC 50 (Water flea (Daphnia magna), 2 d): > 10,000 mg/l EC 50 (Water flea (Daphnia magna), 21 d): > 10 mg/l NOEC (Water flea (Daphnia magna), 21 d): 10 mg/l
Toxicity to Aquatic Plants	LC 50 (Algae (Pseudokirchneriella subcapitata), 3 d): > 100 mg/l
White mineral oil (petroleum)	NOEC (Algae (Pseudokirchneriella subcapitata), 3 d): > 100 mg/l
Toxicity to soil dwelling organisms	No data available
Sediment Toxicity	No data available
Toxicity to terrestrial plants	No data available
Toxicity to above ground organism	No data available
Toxicity to microorganisms	No data available

12.2. Persistence and degradability

White mineral oil (petroleum)	Oxygen depletion 31.13 % (28 d, OECD TG 301 F)
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	Oxygen depletion 31 % (28 d, OECD TG 301 F)

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste)	: Waste disposal according to EC directives 75/442/EEC and 91/689/EEC in the corresponding versions, covering waste and dangerous waste.
Waste treatment methods	: Can be incinerated according to local regulations.
Waste disposal recommendations	: Dispose of this material and its container to hazardous or special waste collection point.
European List of Waste (LoW) code	: 13 02 05* - mineral-based non-chlorinated engine, gear and lubricating oils

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

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14.1. UN number

UN-No. (ADR) : Not applicable

UN-No. (IMDG) : Not applicable

UN-No. (IATA) : Not applicable

UN-No. (ADN) : Not applicable

UN-No. (RID) : Not applicable

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable

Proper Shipping Name (IMDG) : Not applicable

Proper Shipping Name (IATA) : Not applicable

Proper Shipping Name (ADN) : Not applicable

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

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Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

- Overland transport

Not applicable

- Transport by sea

Not applicable

- Air transport

Not applicable

- Inland waterway transport

Not applicable

- Rail transport

Not applicable

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

15.1.1. EU-Regulations

Regulation (EC) No. 2037/2000 Substances that deplete the ozone layer:

None present or none present in regulated quantities.

Regulation (EC) No. 850/2004 on persistent organic pollutants:

None present or none present in regulated quantities.

Regulation (EC) No. 689/2008 Import and export of dangerous chemicals:

None present or none present in regulated quantities.

Regulation (EC) No. 1907/2006, REACH Article 59(1). Candidate List:

None present or none present in regulated quantities.

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended:

None present or none present in regulated quantities.

Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use:

None present or none present in regulated quantities.

Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens and mutagens at work.:

None present or none present in regulated quantities.

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breast feeding.:

Chemical name	EC No.	Concentration
Lubricating oils, petroleum, C20-50, hydrotreated neutral oil-based	276-738-4	90 - 100%
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	276-737-9	1.0 - 10%
Distillates (petroleum), solvent-refined heavy paraffinic	265-090-8	0.1 - 1.0%
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	276-737-9	0.1 - 1.0%

Directive 96/82/EC (Seveso II): on the control of major accident hazards involving dangerous substances:

Chemical name	EC No.	Concentration
Lubricating oils, petroleum, C20-50, hydrotreated neutral oil-based	276-738-4	90 - 100%
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	276-737-9	1.0 - 10%
Distillates (petroleum), solvent-refined heavy paraffinic	265-090-8	0.1 - 1.0%
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	276-737-9	0.1 - 1.0%

EU. Regulation No. 166/2006 PRTR (Pollutant Release and Transfer Registry), Annex II: Pollutants:

None present or none present in regulated quantities.

Directive 98/24/EC on the protection of workers from the risks related to chemical agents at work:

None present or none present in regulated quantities.

Inventory Status

Australia (AICS)

All components are in compliance with chemical notification requirements in Australia.

Canada (DSL/NDL)

All components are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substances List.

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China (IECSC)

All components of this product are listed on the Inventory of Existing Chemical Substances in China.

European Union (REACH)

To obtain information on the REACH compliance status of this product, please e-mail
REACH@SDSInquiries.com.

Japan (ENCS)

All components are in compliance with the Chemical Substances Control Law of Japan.

Korea (ECL)

All components are in compliance in Korea.

New Zealand (NZIoC)

All components are in compliance with chemical notification requirements in New Zealand.

Philippines (PICCS)

All components are in compliance with the Philippines Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990 (R.A. 6969).

Switzerland (SWISS)

All components are in compliance with the Environmentally Hazardous Substances Ordinance in Switzerland.

Taiwan (TCSCA)

All components of this product are listed on the Taiwan inventory.

United States (TSCA)

All components of this material are on the US TSCA Inventory.

The information that was used to confirm the compliance status of this product may deviate from the chemical information shown in Section 3.

15.2. Chemical safety assessment

A chemical safety assessment has been carried out for the substance or the mixture by the supplier

SECTION 16: Other information

Other information : It is the user's responsibility to take mentioned precaution measures and ensure that this information is complete and sufficient for the use of this product. Such information is actually to be best of our knowledge and believes accurate as reliable.

Full text of H- and EUH-statements:

Aquatic Chronic 4	Hazardous to the aquatic environment — Chronic Hazard, Category 4
Skin Sens. 1	Sensitisation — Skin, Category 1
H317	May cause an allergic skin reaction
H413	May cause long lasting harmful effects to aquatic life
EUH208	Contains . May produce an allergic reaction
H304	May be fatal if swallowed and enters airways

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product