

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

1.1. Product identifier

Product form : Mixture
 Product name : ENOC PROTEC PREMIUM 5W-30, API SP
 Product code : 210111

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 : Petrol Engine Oil

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
 P.O. Box 6442
 Dubai - United Arab Emirates
 T +9714 8003662- F +971 4 313 4616
 Website : www.enoclubricants.com
 Email: feedback@enoc.com

1.4. Emergency telephone number

Emergency number : +9714 8003662

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]

No labelling applicable

2.3. Other hazards not contributing to the classification

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
-Distillates (petroleum), hydrotreated heavy paraffinic	(CAS-No.) 64742-54-7 (EC-No.) 265-157-1 (EC Index-No.) 649-467-00-8 (REACH-no) 01-2119484627-25	52.71	Asp. Tox. 1, H304
Petroleum distillates, hydrotreated heavy paraffinic (IP 346<3%)	(CAS-No.) 64742-54-7 (EC-No.) 265-157-1 (EC Index-No.) 649-467-00-8 (REACH-no) 01-2119484627-25	28.4	Asp. Tox. 1, H304

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Amines, polyethylenepoly-, reaction products with 1,3-dioxolan-2-one and succinic anhydride monopolyisobutenyl derivatives	(CAS-No.) 147880-09-9	0.6 - 0.8	Aquatic Chronic 4, H413
Benzenamine, ar-nonyl-N-(nonylphenyl)-	(CAS-No.) 36878-20-3 (EC-No.) 253-249-4 (REACH-no) 01-2119488911-28	0.4 - 0.6	Aquatic Chronic 4, H413
Zinc alkyl dithiophosphate	(CAS-No.) 68649-42-3 (EC-No.) 272-028-3 (REACH-no) 01-2119657973-23	0.5	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411
Phenol, 2,2'-polythiobis[4-C8-30-alkyl derivatives, calcium salts, overbased	(CAS-No.) 90480-91-4 (EC-No.) 291-829-9 (REACH-no) 01-2119524004-56	0.1	Aquatic Chronic 4, H413

Full text of H-statements: see section 16

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

- Symptoms/effects after inhalation : May cause irritation to the respiratory tract. May cause drowsiness or dizziness.
- Symptoms/effects after skin contact : Injection under the skin of pressurized hydrocarbons can cause severe, permanent tissue damage. May cause skin irritation / dermatitis.
- Symptoms/effects after eye contact : May cause eye irritation.
- Symptoms/effects after ingestion : May result in aspiration into the lungs, causing chemical pneumonia.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : carbon dioxide (CO₂), 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.

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6.4. Reference to other sections

No additional information available

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 practice. 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.
Special rules on packaging	: Keep only in original container.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)		
Belgium	Limit value (mg/m ³)	5 mg/m ³ (Mineral oil mist)
Belgium	Short time value (mg/m ³)	10 mg/m ³ (Mineral oil mist)
Bulgaria	OEL TWA (mg/m ³)	5 mg/m ³ (Oil - mineral, petroleum)
Czech Republic	Expoziční limity (NPK-P) (mg/m ³)	10 mg/m ³ (Mineral oils, aerosol)
Finland	HTP-arvo (8h) (mg/m ³)	5 mg/m ³
Greece	OEL TWA (mg/m ³)	5 mg/m ³ (Paraffin oil mist)
Hungary	MK-érték	5 mg/m ³ (Oil smog - mineral oil)
Ireland	OEL (8 hours ref) (mg/m ³)	0.2 mg/m ³ (Mineral oil used in metal working, inhalable fraction)
Lithuania	IPRV (mg/m ³)	1 mg/m ³ (Oil mist, including smoke)
Lithuania	TPRV (mg/m ³)	3 mg/m ³ (Oil mist, including smoke)
Netherlands	Grenswaarde TGG 8H (mg/m ³)	5 mg/m ³
Poland	NDS (mg/m ³)	5 mg/m ³ (Mineral oils - fluid aerosol phase)
Poland	NDSch (mg/m ³)	10 mg/m ³ (Mineral oils - fluid aerosol phase)
Romania	OEL TWA (mg/m ³)	5 mg/m ³
Romania	OEL STEL (mg/m ³)	10 mg/m ³
Spain	VLA-ED (mg/m ³)	5 mg/m ³
Spain	VLA-EC (mg/m ³)	10 mg/m ³
Sweden	nivågränsvärde (NVG) (mg/m ³)	1 mg/m ³
Sweden	kortidsvärde (KTV) (mg/m ³)	3 mg/m ³
Norway	Grenseverdier (AN) (mg/m ³)	1 mg/m ³
Australia	TWA (mg/m ³)	5 mg/m ³ (Oil mist, refined mineral)
Canada (Quebec)	VECD (mg/m ³)	10 mg/m ³ (Mineral oil - dust)
Canada (Quebec)	VEMP (mg/m ³)	5 mg/m ³ (Mineral oil - dust)
Japan	Exposure limits (JSOH)	3 mg/m ³
USA - IDLH	US IDLH (ppm)	1100 ppm
USA - NIOSH	NIOSH REL (TWA) (mg/m ³)	5 mg/m ³
USA - NIOSH	NIOSH REL (STEL) (mg/m ³)	10 mg/m ³
USA - NIOSH	NIOSH REL (ceiling) (mg/m ³)	1800 mg/m ³
USA - OSHA	OSHA PEL (TWA) (mg/m ³)	5 mg/m ³
USA - OSHA	OSHA PEL (TWA) (ppm)	2000 ppm

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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.



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Brown
Odour	: Characteristics.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 220 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
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	: 0.8468 g/ml @ 15°C
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: 10.5 mm ² /s @ 100°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.

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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 (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

Petroleum distillates, hydrotreated heavy paraffinic (IP 346<3%) (64742-54-7)

LD50 oral rat	> 15 g/kg
LD50 dermal rabbit	> 5000 mg/kg

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

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

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Viscosity, kinematic	10.5 mm ² /s @ 100°C
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SECTION 12: Ecological information

12.1. Toxicity

Acute aquatic toxicity : Not classified

Chronic aquatic toxicity : Not classified

Petroleum distillates, hydrotreated heavy paraffinic (IP 346<3%) (64742-54-7)

LC50 fish 1	> 5000 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna)

Benzenamine, ar-nonyl-N-(nonylphenyl)-

LC50 fish 1	> 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [semi-static])
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12.2. Persistence and degradability

No additional information available

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

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

12.6. Other adverse effects

No additional information available

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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.
- Product/Packaging 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

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
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 and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

- Other information, restriction and prohibition regulations : International regulatory information:
AICS: Australia. Inventory of Chemical Substances (AICS) (as amended through 1 September 2015)
CAS RN: 64742-54-7
Name: Distillates, petroleum, hydrotreated heavy paraffinic
Note(s): aU -This entry is a chemical of unknown or variable composition, a complex product of a chemical reaction, or a biological material (UVCB); the Australian inventory denotes this by putting an asterisk (*) after the CAS number.
DSL: Canada. Domestic Substances List (DSL), as amended through September 23, 2015
CAS RN: 64742-54-7
Name: Distillates, petroleum, hydrotreated heavy paraffinic
Canada. Categorization of Existing Substances on DSL (September 2006)
CAS RN: 64742-54-7
Name: DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC
Substance category: UORG
Meets CEPA criteria: Yes

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Meets human health criteria: Yes
Human health priority: High
Meets environmental criteria: No
Persistent: Yes
Bioaccumulative: No
Inherently toxic to aquatic organisms: No

Notes: UVCBs-organic
ENCS: not listed
KECI: Korea. Existing Chemicals Inventory (KECI, January 27, 2015, amended through MoE 2015-95, July 1, 2015)
CAS RN: 64742-54-7
Name: Distillates (petroleum), hydrotreated heavy paraffinic
Korean ID Number: KE-12546
PICCS: Philippines. Inventory of Chemicals and Chemical Substances (PICCS) 2012
CAS RN: 64742-54-7
Name: Distillates (petroleum), hydrotreated heavy paraffinic
TSCA: U.S. Federal, TSCA
TSCA IUR 2006, Partially Exempt Petroleum Process Streams (40 CFR 710.46(b)(1))
CAS RN: 64742-54-7
Name: DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC
TSCA CDR, Partially Exempt Petroleum Process Streams (40 CFR 711.6(b)(1)) (September 6, 2011)
CAS RN: 64742-54-7
Name: Distillates (petroleum), hydrotreated heavy paraffinic
TSCA High Production Volume (HPV) Chemicals: 1990, 1994 & Post-1994 Additions (01/20/06)
CAS RN: 64742-54-7
Name: DISTILLATES, PETROLEUM, HYDROTREATED HEAVY PARAFFINIC
1990 HPV Challenge Program Chemical
HPV Indicator Value (see notes): 0 Chemical is a candidate for sponsorship under the HPV Challenge Program
HPV Sponsorship Value (see notes): F Fully Sponsored Chemical

. International regulatory information:
AICS: Australia. Inventory of Chemical Substances (AICS) (as amended through 2 February 2016)
CAS RN: 68649-42-3, Name: Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts
Notes aU This entry is a chemical of unknown or variable composition, a complex product of a chemical reaction, or a biological material (UVCB); the Australian inventory denotes this by putting an asterisk (*) after the CAS number.
DSL: Canada. Domestic Substances List (DSL), as amended through February 10, 2016
CAS RN: 68649-42-3
Name: Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts
Canada. Ontario Inventory (incomplete), based on TSCA Initial Inventory (1979), Appendix A, Chemical Substance Identities, and TSCA Inventory Supplement 1 (1980)
CAS RN: 68649-42-3, Name: Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts
Molecular formula: Unspecified
ENCS: Not listed
KECI: Korea. Existing Chemicals Inventory (KECI, January 27, 2015, amended through MoE 2016-15, January 19, 2016)
CAS RN: 68649-42-3, Name: Phosphorodithioic acid O,O-dialkyl(C=1-14) esters zinc salts
Korean ID Number: KE-28667
TSCA: U.S. Federal, TSCA
TSCA Section 4(e) Interagency Testing Committee (ITC) Priority List (through 73rd Report)
CAS RN: 68649-42-3. Name: PHOSPHORODITHIOIC ACID, O,O-DI-C1-14-ALKYL ESTERS
Notes ti78: The Fifty-Fifth ITC Report (November 2004) added 276 HPV orphan chemicals and removed 6 chemicals.
TSCA Section 8(a) Preliminary Assessment Information Rule (PAIR) (40 CFR 712, Subpt. B)
CAS RN: 68649-42-3, Name: PHOSPHORODITHIOIC ACID, O,O-DI-C1-14-ALKYL ESTERS, ZINC SALTS
Note(s): p50 40 CFR 712.30. Final rule at 71 Fed. Reg. 47126 (8/16/2006). Effective date: September 15, 2006; reporting date: November 14, 2006.
TSCA Section 8(d) Health & Safety Data Reporting (40 CFR 716, Subpt. B)
CAS RN: 68649-42-3, Name: PHOSPHORODITHIOIC ACID, O,O-DI-C1-14-ALKYL ESTERS, ZINC SALTS.
Listed in 40 CFR 716.120: (d), Special exemption(s): 716.21(a)(7)
Effective date: 9/29/06, Sunset date: 11/28/06
TSCA High Production Volume (HPV) Chemicals: 1990, 1994 & Post-1994 Additions (01/20/06)
CAS RN: 68649-42-3

Name: PHOSPHORODITHIOIC ACID, O,O-DI-C1-14-ALKYL ESTERS, ZINC SALTS, 1990
HPV Challenge Program Chemical
HPV Indicator Value (see notes): 0 HPV Sponsorship Value (see notes): N

Notes
0 Chemical is a candidate for sponsorship under the HPV Challenge Program.
N Not Sponsored

PICCS: Philippines. Inventory of Chemicals and Chemical Substances (PICCS) 2012
CAS RN: 68649-42-3, Name: Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts.

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15.1.2. National regulations

Germany

- VwVwS Annex reference : Water hazard class (WGK) 3, severe hazard to waters (Classification according to VwVwS, Annex 4)
- 12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

- SZW-lijst van kankerverwekkende stoffen : Zinc alkyl dithiophosphate,-Distillates (petroleum), hydrotreated heavy paraffinic,Petroleum distillates, hydrotreated heavy paraffinic (IP 346<3%),Phenol, 2,2'-polythiobis[4-C8-30-alkyl derivatives, calcium salts, overbased are listed
- SZW-lijst van mutagene stoffen : Zinc alkyl dithiophosphate,-Distillates (petroleum), hydrotreated heavy paraffinic,Petroleum distillates, hydrotreated heavy paraffinic (IP 346<3%) are listed
- NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed
- NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed
- NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

Denmark

- Recommendations Danish Regulation : The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal

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:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 4	Hazardous to the aquatic environment — Chronic Hazard, Category 4
Asp. Tox. 1	Aspiration hazard, Category 1
Carc. 1B	Carcinogenicity, Category 1B
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H318	Causes serious eye damage
H350	May cause cancer.
H411	Toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

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