

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : ENOC PROTEC X-TREME 5W-40, API SP  
Product code : 210105

#### 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  
Email [lubemsds@enoc.com](mailto:lubemsds@enoc.com)  
Website [www.enoclubricants.com](http://www.enoclubricants.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]

Serious eye damage/eye irritation, Category 2 H319  
Skin sensitisation, category 1B H317

Full text of H statements : see section 16

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) :

Warning

Hazard statements (CLP) :

H317 - May cause an allergic skin reaction.  
H319 - Causes serious eye irritation.

Precautionary statements (CLP) :

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 - Wash hands, forearms and face thoroughly after handling.  
P272 - Contaminated work clothing should not be allowed out of the workplace.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352 - IF ON SKIN: Wash with plenty of water.  
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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### 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	80	Carc. 1B, H350 Asp. Tox. 1, H304
zinc O,O-bis(isooctyl)dithiophosphate	(CAS-No.) 28629-66-5 (EC-No.) 249-109-7	>=0.441-<1.47	Skin Corrosion/Irritation Category 2, Serious Eye Damage/Eye Irritation  Category 1, Chronic Aquatic Hazard

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 (CO <sub>2</sub> ), 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.

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### 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

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

No additional information available

### 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 EN 374. 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.

#### Personal protective equipment symbol(s):



## SECTION 9: Physical and chemical properties

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

Physical state : Liquid

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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	: 0.8695 g/ml @ 15°C
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: 14 mm <sup>2</sup> /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.

### 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

#### -Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 5000 mg/kg
LC50 inhalation rat (mg/l)	> 5000 mg/m <sup>3</sup>

#### zinc O,O-bis(isooctyl)dithiophosphate (28629-66-5)

LD50 oral rat	2000 mg/kg
LD50 dermal rabbit	> 3200 mg/kg

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: May cause an allergic skin reaction.

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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	14 mm <sup>2</sup> /s @ 100°C
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## SECTION 12: Ecological information

### 12.1. Toxicity

#### zinc O,O-bis(isooctyl)dithiophosphate (28629-66-5)

NOEC(ECx)	0.4mg/l, (Exposure time: 504h, Species: Crustacea)
EC50	2mg/l, (Exposure time: 72h, Species: Algae or other aquatic plants)
LC50	46mg/l, (Exposure time: 96h, Species: Fish)
EC50	2mg/l, (Exposure time: 96h, Species: Algae or other aquatic plants)
EC50	5.4mg/l, (Exposure time: 48h, Species: Crustacea)

### 12.2. Persistence and degradability

#### zinc bis[O-(6-methylheptyl & sec-butyl)]dithiophosphate

Persistence : Water & Soil	High.
Persistence : Air	High.

### 12.3. Bioaccumulative potential

#### zinc bis[O-(6-methylheptyl & sec-butyl)]dithiophosphate

Bioaccumulation	High. (HIGH (LogKOW = 6.0235))
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### 12.4. Mobility in soil

#### zinc bis[O-(6-methylheptyl & sec-butyl)]dithiophosphate

Mobility	LOW (KOC = 3509)
Persistence : Air	High.

### 12.5. Results of PBT and vPvB assessment

#### Component

-Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
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### 12.6. Other adverse effects

The evidence linking adverse effects to endocrine disruptors is more compelling in the environment than it is in humans. Endocrine disruptors profoundly alter reproductive physiology of ecosystems and ultimately impact entire populations. Some endocrine-disrupting chemicals are slow to break-down in the environment. That characteristic makes them potentially hazardous over long periods of time. Some well established adverse effects of endocrine disruptors in various wildlife species include; eggshell-thinning, displayed of characteristics of the opposite sex and impaired reproductive development. Other adverse changes in wildlife species that have been suggested, but not proven include; reproductive abnormalities, immune dysfunction and skeletal deformities.

## 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

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### SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.2. UN proper shipping name</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>				
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

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)

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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.

zinc O,O-bis(isooctyl)dithiophosphate is found on the following regulatory lists  
(CAS-No.) 28629-66-5  
Europe EC Inventory  
European Union - European Inventory of Existing Commercial Chemical Substances (EINECS)

### 15.1.2. National regulations

#### Germany

Reference to AwSV : Water hazard class (WGK) 3, severe hazard to waters (Classification according to AwSV, Annex 1)  
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 : -Distillates (petroleum), hydrotreated heavy paraffinic, Sulfonic acids, petroleum, sodium salts, Tall oil, potassium salt, Naphthenic acids, potassium salts are listed  
SZW-lijst van mutagene stoffen : -Distillates (petroleum), hydrotreated heavy paraffinic, Sulfonic acids, petroleum, sodium salts, Tall oil, potassium salt, Naphthenic acids, potassium salts 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

Danish National Regulations : Young people below the age of 18 years are not allowed to use the product  
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:

Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Asp. Tox. 1	Aspiration hazard, Category 1
Carc. 1B	Carcinogenicity, Category 1B
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2

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H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H340	May cause genetic defects.
H341	Suspected of causing genetic defects.
H350	May cause cancer.
H361	Suspected of damaging fertility or the unborn child.
H371	May cause damage to organs.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful 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*