



ENOC PROTEC X-TREME SPECIAL SAE 0W-40

Safety Data Sheet

according to Regulation (EU) 2015/830

Date of issue: 04/08/2017

Revision date: 04/08/2017

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 PROTEC X-TREME SPECIAL SAE 0W-40
Product code : 210057

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 +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]

Aspiration hazard, Category 1 H304

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) :



GHS08

Signal word (CLP) : Danger
Hazard statements (CLP) : H304 - May be fatal if swallowed and enters airways
Precautionary statements (CLP) : P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor
P331 - Do NOT induce vomiting
P405 - Store locked up
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

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

ENOC PROTEC X-TREME SPECIAL SAE 0W-40

Safety Data Sheet

according to Regulation (EU) 2015/830

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	35.4	Asp. Tox. 1, H304
Dec-1-ene, homopolymer, hydrogenated	(CAS-No.) 68037-01-4 (EC-No.) 500-183-1	30	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	15.4	Asp. Tox. 1, H304
Distillates (petroleum), solvent-refined heavy paraffinic	(CAS-No.) 64741-88-4 (EC-No.) 265-090-8 (EC Index-No.) 649-454-00-7	5.8	Carc. Not classified
Zinc alkyl dithiophosphate	(CAS-No.) 68649-42-3 (EC-No.) 272-028-3 (REACH-no) 01-2119657973-2	1	Eye Dam. 1, H318 Aquatic Chronic 2, H411
Distillates, petroleum, hydrotreated light paraffinic (IP346<3%)	(CAS-No.) 64742-55-8 (EC-No.) 265-158-7 (EC Index-No.) 649-468-00-3 (REACH-no) 01-2119487077-29	0.3	Asp. Tox. 1, H304
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	0.2	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.
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ENOC PROTEC X-TREME SPECIAL SAE 0W-40

Safety Data Sheet

according to Regulation (EU) 2015/830

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

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

Calcium petroleum sulfonate (61789-86-4)		
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	5 mg/m ³ (respirable fraction)
2,6-Di-tert-butylphenol (128-39-2)		
USA - ACGIH	ACGIH TWA (mg/m ³)	10 mg/m ³
USA - OSHA	OSHA PEL (TWA) (mg/m ³)	10 mg/m ³ Total dust
Diphenylamine (122-39-4)		
Austria	MAK (mg/m ³)	5 mg/m ³ (inhalable fraction)
Austria	MAK (ppm)	0.7 ppm
Austria	MAK Short time value (mg/m ³)	10 mg/m ³ (inhalable fraction)
Austria	MAK Short time value (ppm)	1.4 ppm
Belgium	Limit value (mg/m ³)	10 mg/m ³
Bulgaria	OEL TWA (mg/m ³)	10 mg/m ³
Croatia	GVI (granična vrijednost izloženosti) (mg/m ³)	10 mg/m ³
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m ³)	20 mg/m ³
Czech Republic	Expoziční limity (PEL) (mg/m ³)	10 mg/m ³
Denmark	Grænseværdie (langvarig) (mg/m ³)	5 mg/m ³
Estonia	OEL TWA (mg/m ³)	10 mg/m ³
Finland	HTP-arvo (8h) (mg/m ³)	5 mg/m ³
Finland	HTP-arvo (15 min)	10 mg/m ³
France	Local name	Diphénylamine
France	VME (mg/m ³)	10 mg/m ³
France	Note (FR)	Valeurs recommandées/admises
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	5 mg/m ³ (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-inhalable fraction)
Greece	OEL TWA (mg/m ³)	10 mg/m ³

ENOC PROTEC X-TREME SPECIAL SAE 0W-40

Safety Data Sheet

according to Regulation (EU) 2015/830

Diphenylamine (122-39-4)		
Greece	OEL STEL (mg/m ³)	20 mg/m ³
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	20 mg/m ³
Lithuania	IPRV (mg/m ³)	4 mg/m ³
Lithuania	TPRV (mg/m ³)	12 mg/m ³
Portugal	OEL TWA (mg/m ³)	10 mg/m ³
Romania	OEL TWA (mg/m ³)	4 mg/m ³
Romania	OEL STEL (mg/m ³)	6 mg/m ³
Slovenia	OEL TWA (mg/m ³)	5 mg/m ³ (inhalable fraction)
Spain	VLA-ED (mg/m ³)	10 mg/m ³ (the partial or complete commercialization or use of this substance as a phytosanitary or biocide compound is prohibited)
Sweden	nivågränsvärde (NVG) (mg/m ³)	4 mg/m ³
Sweden	kortidsvärde (KTV) (mg/m ³)	12 mg/m ³
United Kingdom	Local name	Diphenylamine
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³
United Kingdom	WEL STEL (mg/m ³)	20 mg/m ³
Norway	Grenseverdier (AN) (mg/m ³)	5 mg/m ³
Norway	Grenseverdier (Kortidsverdi) (mg/m ³)	10 mg/m ³ (value calculated)
Switzerland	MAK (mg/m ³)	10 mg/m ³ (inhalable dust)
Australia	TWA (mg/m ³)	10 mg/m ³
Canada (Quebec)	VEMP (mg/m ³)	10 mg/m ³
USA - ACGIH	Local name	Diphenylamine
USA - ACGIH	ACGIH TWA (mg/m ³)	10 mg/m ³
USA - ACGIH	Remark (ACGIH)	Liver & kidney dam; hematologic eff
USA - NIOSH	NIOSH REL (TWA) (mg/m ³)	10 mg/m ³
White mineral oil, petroleum (8042-47-5)		
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	5 mg/m ³ (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-respirable fraction)
Latvia	OEL TWA (mg/m ³)	5 mg/m ³
Switzerland	MAK (mg/m ³)	5 mg/m ³ (inhalable dust)
ethanediol, ethylene glycol (107-21-1)		
EU	IOELV TWA (mg/m ³)	52 mg/m ³
EU	IOELV TWA (ppm)	20 ppm
EU	IOELV STEL (mg/m ³)	104 mg/m ³
EU	IOELV STEL (ppm)	40 ppm
Austria	MAK (mg/m ³)	26 mg/m ³
Austria	MAK (ppm)	10 ppm
Austria	MAK Short time value (ppm)	20 ppm
Bulgaria	OEL TWA (mg/m ³)	52 mg/m ³
Bulgaria	OEL STEL (mg/m ³)	104 mg/m ³
Cyprus	OEL TWA (mg/m ³)	52 mg/m ³
Cyprus	OEL TWA (ppm)	20 ppm
Cyprus	OEL STEL (mg/m ³)	104 mg/m ³
Cyprus	OEL STEL (ppm)	40 ppm
Czech Republic	Expoziční limity (PEL) (mg/m ³)	50 mg/m ³
Denmark	Grænseværdier (langvarig) (mg/m ³)	26 mg/m ³ 10 mg/m ³ (atomized)
Denmark	Grænseværdier (langvarig) (ppm)	10 ppm
Estonia	OEL TWA (mg/m ³)	52 mg/m ³ (total concentration of aerosol and vapor)
Estonia	OEL TWA (ppm)	20 ppm (total concentration of aerosol and vapor)
Estonia	OEL STEL (mg/m ³)	104 mg/m ³ (total concentration of aerosol and vapor)
Estonia	OEL STEL (ppm)	40 ppm (total concentration of aerosol and vapor)

ENOC PROTEC X-TREME SPECIAL SAE 0W-40

Safety Data Sheet

according to Regulation (EU) 2015/830

ethanediol, ethylene glycol (107-21-1)		
Finland	HTP-arvo (8h) (mg/m ³)	50 mg/m ³
Finland	HTP-arvo (8h) (ppm)	20 ppm
Finland	HTP-arvo (15 min)	100 mg/m ³
Finland	HTP-arvo (15 min) (ppm)	40 ppm
France	VME (mg/m ³)	52 mg/m ³ (vapeur)
France	VME (ppm)	20 ppm (vapeur)
France	VLE (mg/m ³)	104 mg/m ³ (vapeur)
France	VLE (ppm)	40 ppm (vapeur)
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	26 mg/m ³ (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Germany	TRGS 900 Occupational exposure limit value (ppm)	10 ppm (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Gibraltar	Eight hours mg/m ³	52 mg/m ³
Gibraltar	Eight hours ppm	20 ppm
Gibraltar	Short-term mg/m ³	104 mg/m ³
Gibraltar	Short-term ppm	40 ppm
Greece	OEL TWA (mg/m ³)	125 mg/m ³ (vapor)
Greece	OEL TWA (ppm)	50 ppm (vapor)
Greece	OEL STEL (mg/m ³)	125 mg/m ³ (vapor)
Greece	OEL STEL (ppm)	50 ppm (vapor)
Hungary	AK-érték	52 mg/m ³
Hungary	CK-érték	104 mg/m ³
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (particulate) 52 mg/m ³ (vapour)
Ireland	OEL (8 hours ref) (ppm)	20 ppm (vapour)
Ireland	OEL (15 min ref) (mg/m ³)	104 mg/m ³ (vapour)
Ireland	OEL (15 min ref) (ppm)	40 ppm (particulate)
Italy	OEL TWA (mg/m ³)	52 mg/m ³
Italy	OEL TWA (ppm)	20 ppm
Italy	OEL STEL (mg/m ³)	104 mg/m ³
Italy	OEL STEL (ppm)	40 ppm
Latvia	OEL TWA (mg/m ³)	52 mg/m ³
Latvia	OEL TWA (ppm)	20 ppm
Lithuania	IPRV (mg/m ³)	25 mg/m ³ (aerosol and vapor)
Lithuania	IPRV (ppm)	10 ppm (aerosol and vapor)
Lithuania	TPRV (mg/m ³)	50 mg/m ³ (aerosol and vapor)
Lithuania	TPRV (ppm)	20 ppm (aerosol and vapor)
Luxembourg	OEL TWA (mg/m ³)	52 mg/m ³
Luxembourg	OEL TWA (ppm)	20 ppm
Luxembourg	OEL STEL (mg/m ³)	104 mg/m ³
Luxembourg	OEL STEL (ppm)	40 ppm
Malta	OEL TWA (mg/m ³)	52 mg/m ³
Malta	OEL TWA (ppm)	20 ppm
Malta	OEL STEL (mg/m ³)	104 mg/m ³
Malta	OEL STEL (ppm)	40 ppm
Netherlands	Grenswaarde TGG 8H (mg/m ³)	10 mg/m ³
Netherlands	Grenswaarde TGG 15MIN (mg/m ³)	104 mg/m ³
Poland	NDS (mg/m ³)	15 mg/m ³
Poland	NDSch (mg/m ³)	50 mg/m ³
Romania	OEL TWA (mg/m ³)	52 mg/m ³
Romania	OEL TWA (ppm)	20 ppm

ENOC PROTEC X-TREME SPECIAL SAE 0W-40

Safety Data Sheet

according to Regulation (EU) 2015/830

ethanediol, ethylene glycol (107-21-1)		
Romania	OEL STEL (mg/m ³)	104 mg/m ³
Romania	OEL STEL (ppm)	40 ppm
Slovakia	NPHV (priemerná) (mg/m ³)	52 mg/m ³
Slovakia	NPHV (priemerná) (ppm)	20 ppm
Slovakia	NPHV (Hraničná) (mg/m ³)	104 mg/m ³
Slovenia	OEL TWA (mg/m ³)	52 mg/m ³
Slovenia	OEL TWA (ppm)	20 ppm
Slovenia	OEL STEL (mg/m ³)	104 mg/m ³
Slovenia	OEL STEL (ppm)	40 ppm
Spain	VLA-ED (mg/m ³)	52 mg/m ³
Spain	VLA-ED (ppm)	20 ppm
Spain	VLA-EC (mg/m ³)	104 mg/m ³
Spain	VLA-EC (ppm)	40 ppm
Sweden	nivågränsvärde (NVG) (mg/m ³)	25 mg/m ³ (aerosol and vapor)
Sweden	nivågränsvärde (NVG) (ppm)	10 ppm (aerosol and vapor)
Sweden	kortidsvärde (KTV) (mg/m ³)	104 mg/m ³ (aerosol and vapor)
Sweden	kortidsvärde (KTV) (ppm)	40 ppm (aerosol and vapor)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ particulate 52 mg/m ³ vapour
United Kingdom	WEL TWA (ppm)	20 ppm vapour
United Kingdom	WEL STEL (mg/m ³)	104 mg/m ³ vapour
United Kingdom	WEL STEL (ppm)	40 ppm vapour
Russian Federation	OEL TWA (mg/m ³)	5 mg/m ³ (aerosol and vapor)
Norway	Grenseverdier (AN) (mg/m ³)	20 mg/m ³ (equal to the standard for nuisance dust-dust) 52 mg/m ³ (Total sum of limit values for both vapor and dust)
Norway	Grenseverdier (Kortidsverdi) (ppm)	40 ppm (value from the regulation)
Switzerland	MAK (mg/m ³)	26 mg/m ³
Switzerland	MAK (ppm)	10 ppm
Switzerland	KZGW (mg/m ³)	52 mg/m ³
Switzerland	KZGW (ppm)	20 ppm
Turkey	OEL TWA (mg/m ³)	52 mg/m ³
Turkey	OEL TWA (ppm)	20 ppm
Turkey	OEL STEL (mg/m ³)	104 mg/m ³
Turkey	OEL STEL (ppm)	40 ppm
Canada (Quebec)	PLAFOND (mg/m ³)	127 mg/m ³
Canada (Quebec)	PLAFOND (ppm)	50 ppm
USA - OSHA	OSHA PEL (TWA) (mg/m ³)	125 mg/m ³
USA - OSHA	OSHA PEL (TWA) (ppm)	50 ppm
Distillates (petroleum), solvent-dewaxed heavy paraffinic (contains less than 3% DMSO extract) (64742-65-0)		
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)

ENOC PROTEC X-TREME SPECIAL SAE 0W-40

Safety Data Sheet

according to Regulation (EU) 2015/830

Distillates (petroleum), solvent-dewaxed heavy paraffinic (contains less than 3% DMSO extract) (64742-65-0)		
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
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 (Mineral oil mist)
USA - ACGIH	ACGIH TWA (mg/m ³)	5 mg/m ³
USA - ACGIH	ACGIH STEL (mg/m ³)	10 mg/m ³
USA - OSHA	OSHA PEL (TWA) (mg/m ³)	5 mg/m ³
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 - ACGIH	ACGIH TWA (mg/m ³)	5 mg/m ³
USA - ACGIH	ACGIH STEL (mg/m ³)	10 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

ENOC PROTEC X-TREME SPECIAL SAE 0W-40

Safety Data Sheet

according to Regulation (EU) 2015/830

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	: 0.8215 g/ml @ 15°C
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: 14.2 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.

ENOC PROTEC X-TREME SPECIAL SAE 0W-40

Safety Data Sheet

according to Regulation (EU) 2015/830

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

Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1)

LD50 oral rat	> 5000 mg/kg
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Petroleum distillates, hydrotreated heavy paraffinic (IP 346<3%) (64742-54-7)

LD50 oral rat	> 15 g/kg
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LD50 dermal rabbit	> 5000 mg/kg
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Distillates, petroleum, hydrotreated light paraffinic (IP346<3%) (64742-55-8)

LC50 inhalation rat (mg/l)	3900 mg/m ³ (Exposure time: 4 h)
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ethanediol, ethylene glycol (107-21-1)

LD50 oral rat	4700 mg/kg
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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 : May be fatal if swallowed and enters airways.

ENOC PROTEC X-TREME SPECIAL SAE 0W-40

Viscosity, kinematic	14.2 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)
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EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna)
----------------	--

Distillates, petroleum, hydrotreated light paraffinic (IP346<3%) (64742-55-8)

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)
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ethanediol, ethylene glycol (107-21-1)

LC50 fish 1	41000 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
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LC50 fish 2	14 - 18 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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EC50 Daphnia 1	46300 mg/l (Exposure time: 48 h - Species: Daphnia magna)
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12.2. Persistence and degradability

No additional information available

ENOC PROTEC X-TREME SPECIAL SAE 0W-40

Safety Data Sheet

according to Regulation (EU) 2015/830

12.3. Bioaccumulative potential

ethanediol, ethylene glycol (107-21-1)

Log Pow	-1.93
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12.4. Mobility in soil

No additional information available

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

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.
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

ENOC PROTEC X-TREME SPECIAL SAE 0W-40

Safety Data Sheet

according to Regulation (EU) 2015/830

Other information, restriction and prohibition regulations

: Not listed on KECI (Korean Existing Chemicals Inventory). Not listed on KECI (Korea Existing Chemicals Inventory). Not listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances). 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)
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 6 October 2015)
CAS RN: 64742-55-8
Name: Distillates, petroleum, hydrotreated light paraffinic
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: CAS RN: 64742-55-8 may be regulated as a member of the Generics group for CAS RN: 8012-95-1
Generics group name: PARAFFIN OILS
Substance category: UORG
Meets CEPA criteria: Yes
Meets human health criteria: Yes
Human health priority: Moderate
Meets environmental criteria: No
Persistent: No
Bioaccumulative: No
Inherently toxic to aquatic organisms: No
CAS RN: 64742-55-8
Name: DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC
Substance category: UORG
Meets CEPA criteria: Yes
Meets human health criteria: Yes
Human health priority: High
Meets environmental criteria: No

ENOC PROTEC X-TREME SPECIAL SAE 0W-40

Safety Data Sheet

according to Regulation (EU) 2015/830

Persistent: Yes
Bioaccumulative: No
Inherently toxic to aquatic organisms: No

Notes UORG UVCBs-organic

ENCS: Not listed

KECI: Not listed

PICCS: Not listed

TSCA: U.S. Federal, TSCA

CDR, Partially Exempt Petroleum Process Streams (40 CFR 711.6(b)(1)) (September 6, 2011)

CAS RN: 64742-55-8 may be regulated as a member of the Generics group for CAS RN: 8012-95-1

Generics group name: Paraffin oils

CAS RN: 64742-55-8

Name: Distillates (petroleum), hydrotreated light paraffinic

TSCA High Production Volume (HPV) Chemicals: 1990, 1994 & Post-1994 Additions (01/20/06)

CAS RN: 64742-55-8

Name: DISTILLATES, PETROLEUM, HYDROTREATED LIGHT PARAFFINIC

1990 HPV Challenge Program Chemical

HPV Indicator Value (see notes): 0

HPV Sponsorship Value (see notes): F

Notes

0 Chemical is a candidate for sponsorship under the HPV Challenge Program.

F Fully Sponsored Chemical.

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

: -Distillates (petroleum), hydrotreated heavy paraffinic, Calcium petroleum sulfonate, Petroleum distillates, hydrotreated heavy paraffinic (IP 346<3%), Distillates, petroleum, hydrotreated light paraffinic (IP346<3%), Phenol, 2,2'-polythiobis[4-C8-30-alkyl derivatives, calcium salts, overbased, Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene, Benzenesulfonic acid, propenated, calcium salt, overbased, Zinc alkyl dithiophosphate, Distillates (petroleum), solvent-refined heavy paraffinic are listed

SZW-lijst van mutagene stoffen

: -Distillates (petroleum), hydrotreated heavy paraffinic, Petroleum distillates, hydrotreated heavy paraffinic (IP 346<3%), Distillates, petroleum, hydrotreated light paraffinic (IP346<3%), Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene, Benzenesulfonic acid, propenated, calcium salt, overbased, Zinc alkyl dithiophosphate, Distillates (petroleum), solvent-refined heavy paraffinic 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

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

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 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Aquatic Chronic 4	Hazardous to the aquatic environment — Chronic Hazard, Category 4

ENOC PROTEC X-TREME SPECIAL SAE 0W-40

Safety Data Sheet

according to Regulation (EU) 2015/830

Asp. Tox. 1	Aspiration hazard, Category 1
Carc. Not classified	Carcinogenicity Not classified
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Skin Sens. 1	Skin sensitisation, Category 1
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
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

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Asp. Tox. 1	H304	
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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