

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

MADE IN HOLLAND Date of issue:31-1-2013 Revision date:11-9-2014Supersedes:31-1-2013 Version:

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

1.1. Product identifier

Product form : Mixture

Product name : Endurox FLD SAE 10W/40

Product code : Lub003030
Type of product : Lubricant

Product group : Engine oil (lubricant)

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

1.2.1. Relevant identified uses

Main use category : Engine oil (lubricant)

Industrial/Professional use spec : Industrial

For professional use only

Use of the substance/mixture : This oil should not be used for any other purpose than the intended use without expert advice.

Function or use category : Lubricants and additives

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Rymax b.v. Delweg 8

6902 PJ - Zevenaar - - Nederland

T +31 (0)316 740840 - F +31 (0)316 740844

info@rymax-lubricants.com - www.rymax-lubricants.com

1.4. Emergency telephone number

Emergency number : +31 (0)316 740840

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 Sensitisation — Skin, Category 1 H317

Full text of H statements : see section 16

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) : Warning

Hazardous ingredients : Polyolefin polyamine succinimide, molybdenum complex, Calcium long chain alkaryl

sulphonate

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, spray, vapours

P264 - Wash hands, forearms and face thoroughly after handling

P272 - Contaminated work clothing should not be allowed out of the workplace

P280 - Wear eye protection, protective gloves, face protection P302+P352 - IF ON SKIN: Wash with plenty of soap and 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

Child-resistant fastening : No Tactile warning : No

28-10-2015 EN (English) SDS Ref.: RY-7826 1/9

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

2.3. Other hazards

Adverse physicochemical, human health and

Other hazards not contributing to the

environmental effects

: May cause an allergic skin reaction. Causes serious eye irritation.

: Flammable liquids. Prolonged or repeated skin contact with the material will remove natural oils which leads to a dermatitis. Spills of this product present a serious slipping hazard.

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

classification

3.2. Mixture

Comments

: Mixture of mineral base oils (PCA-content < 3 % - IP 346) and additives.

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	>= 75	Asp. Tox. 1, H304
Mineral oil substance with a Community workplace exposure limit		5 - 10	Asp. Tox. 1, H304
Polyolefine polyamine succinimide, borated		1 - 5	Aquatic Chronic 4, H413
Polyolefin polyamine succinimide, molybdenum complex		1 - 5	Skin Sens. 1, H317 Aquatic Chronic 4, H413
Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts	(CAS No) 68649-42-3 (EC no) 272-028-3 (REACH-no) 01-2119493635-27	1 - 5	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411
Polyolefine polyamine succinimide, Polyol		1 - 5	Aquatic Chronic 4, H413
Calcium long chain alkaryl sulphonate	(CAS No) 722503-69-7	0,1 - 0,5	Skin Sens. 1, H317 Aquatic Chronic 4, H413
Calcium long chain alkaryl sulphonate	(CAS No) 722503-68-6	0,1 - 0,5	Skin Sens. 1, H317 Aquatic Chronic 4, H413
Propylene pentamer substance with a Community workplace exposure limit	(CAS No) 15220-87-8	0,01 - 0,05	Asp. Tox. 1, H304 Aquatic Chronic 2, H411

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1.	Description	of tiret aid	magelirae
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First-aid measures general

: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation

: Remove person to fresh air and keep comfortable for breathing. Allow breathing of fresh air. Allow the victim to rest.

First-aid measures after skin contact

: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Get medical advice/attention. Specific treatment (see Notes on this label). Wash contaminated clothing before reuse. Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact

Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion

: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a poison center or a doctor if you feel unwell.

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

Symptoms/injuries

: After adequate first aid, no further treatment is required unless symptoms reappear.

Symptoms/injuries after inhalation

: After adequate first aid, no further treatment is required unless symptoms reappear. May cause an allergic skin reaction.

Symptoms/injuries after skin contact

: After adequate first aid, no further treatment is required unless symptoms reappear. May cause an allergic skin reaction.

Symptoms/injuries after eye contact

After adequate first aid, no further treatment is required unless symptoms reappear. Eye irritation.

Symptoms/injuries after ingestion

: After adequate first aid, no further treatment is required unless symptoms reappear.

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

Treat symptomatically.

28-10-2015 EN (English) SDS Ref.: RY-7826 2/9

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media : Sand. Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media : Do not use a heavy water stream.

Special hazards arising from the substance or mixture

Hazardous decomposition products in case of

: Toxic fumes may be released.

Advice for firefighters

Firefighting instructions

: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any

chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting

Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel 6.1.1.

Protective equipment

: Eliminate all ignition sources if safe to do so.

Emergency procedures

: Ventilate spillage area. Evacuate unnecessary personnel. Avoid contact with skin and eyes.

Avoid breathing dust, fume, gas, mist, spray, vapours.

6.1.2. For emergency responders

Protective equipment

: Do not attempt to take action without suitable protective equipment. Wear suitable protective clothing, gloves and eye/face protection. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures : Ventilate area.

Environmental precautions

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

Methods and material for containment and cleaning up

For containment

: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or

Methods for cleaning up

Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

Other information

: Dispose of materials or solid residues at an authorized site.

Reference to other sections

See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

SECTION 7: Handling and storage

Precautions for safe handling

Precautions for safe handling

: Ensure good ventilation of the work station. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin and eyes. Avoid breathing dust, fume, gas, mist, spray, vapours. Wear personal protective equipment.

Hygiene measures

Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Conditions for safe storage, including any incompatibilities

Storage conditions

: Keep only in the original container in a cool, well ventilated place away from : Direct sunlight, Heat sources. Keep container closed when not in use. Store in a well-ventilated place. Keep cool

Incompatible products Incompatible materials : Strong bases. Strong acids. Sources of ignition. Direct sunlight.

Storage temperature

Storage area Special rules on packaging : Store away from heat. Store in a well-ventilated place. : Keep only in original container. Store in a closed container.

Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

Control parameters

28-10-2015 EN (English) SDS Ref.: RY-7826 3/9

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

Distillates (petroleum), h	ydrotreated heavy paraffinic (64742-54-7)	
EU	IOELV TWA (mg/m³)	5 mg/m³
Belgium	Limit value (mg/m³)	5 mg/m³
USA - ACGIH	ACGIH TWA (mg/m³)	5 mg/m³
USA - ACGIH	ACGIH STEL (mg/m³)	10 mg/m³
USA - NIOSH	NIOSH REL (TWA) (mg/m³)	5 mg/m³
USA - NIOSH	NIOSH REL (STEL) (mg/m³)	10 mg/m³
Propylene pentamer (152	220-87-8)	
EU	IOELV TWA (mg/m³)	5 mg/m³
Mineral oil		
EU	IOELV TWA (mg/m³)	5 mg/m³
EU	IOELV STEL (mg/m³)	10 mg/m³
Belgium	Limit value (mg/m³)	5 mg/m³ 8 Hrs
Belgium	Short time value (mg/m³)	10 mg/m³ 15 Min
Bulgaria	OEL TWA (mg/m³)	5 mg/m³ 8 Hrs
Czech Republic	Expoziční limity (PEL) (mg/m³)	10 mg/m³
Czech Republic	Expoziční limity (NPK-P) (mg/m³)	5 mg/m³ 8 Hrs
Denmark	Grænseværdie (kortvarig) (mg/m³)	1 mg/m³
Finland	HTP-arvo (15 min)	5 mg/m³ 8 Hrs
Greece	OEL TWA (mg/m³)	5 mg/m³ 8 Hrs
Hungary	CK-érték	5 mg/m³
Ireland	OEL (8 hours ref) (mg/m³)	5 mg/m³ 8 Hrs
Latvia	OEL TWA (mg/m³)	5 mg/m³ 8 Hrs
Lithuania	IPRV (mg/m³)	1 mg/m³ 8 Hrs
Lithuania	TPRV (mg/m³)	3 mg/m³ 15 Min
Netherlands	Grenswaarde TGG 8H (mg/m³)	5 mg/m³ 8 Hrs
Portugal	OEL TWA (mg/m³)	5 mg/m³ 8 Hrs
Portugal	OEL STEL (mg/m³)	10 mg/m³
Romania	OEL TWA (mg/m³)	5 mg/m³ 8 Hrs
Romania	OEL STEL (mg/m³)	10 mg/m³ 15 Min
Slovakia	NPHV (priemerná) (mg/m³)	5 mg/m³ 8 Hrs
Spain	VLA-ED (mg/m³)	5 mg/m³ 8 Hrs
Spain	VLA-EC (mg/m³)	10 mg/m³ 15 Min
Sweden	nivågränsvärde (NVG) (mg/m³)	1 mg/m³
Sweden	kortidsvärde (KTV) (mg/m³)	3 mg/m³
United Kingdom	WEL TWA (mg/m³)	500 mg/m ³
Norway	Grenseverdier (AN) (mg/m³)	1 mg/m³
USA - OSHA	OSHA PEL (TWA) (mg/m³)	5 mg/m³

8.2. **Exposure controls**

Appropriate engineering controls : Use adequate ventilation to keep oil mist below applicable standard. Ensure good ventilation of

the work station.

Personal protective equipment : Insulated gloves. Safety glasses. Protective clothing. Avoid all unnecessary exposure.

Hand protection : Wear protective gloves

Eye protection : Chemical goggles or safety glasses. Safety glasses

Skin and body protection : Wear suitable protective clothing

Respiratory protection : Wear appropriate mask







Environmental exposure controls : Avoid release to the environment. Other information : Do not eat, drink or smoke during use.

28-10-2015 EN (English) SDS Ref.: RY-7826 4/9

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

: Characteristics. **Appearance** Colour Colourless. Odour : Characteristics. Odour threshold : No data available рΗ : No data available Relative evaporation rate (butylacetate=1) No data available Melting point : Not applicable : -36 °C Freezing point

Boiling point : No data available

Flash point : > 215 °C

Auto-ignition temperature : No data available Decomposition temperature : No data available : Non flammable Flammability (solid, gas) Vapour pressure No data available Relative vapour density at 20 °C : No data available Relative density : No data available Density : 872,3 kg/m³ Solubility : insoluble in water. Log Pow : No data available Viscosity, kinematic : 118 mm²/s @40°C : No data available Viscosity, dynamic Explosive properties : No data available : No data available Oxidising properties

9.2. Other information

Other properties : See Product Data Sheet for detailed information.

: No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Not established.

Explosive limits

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)		
LD50 oral (rat)	> 5000 mg/kg	
LD50 dermal (rabbit)	> 2000 mg/kg	
Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts (68649-42-3)		
LD50 oral (rat)	3100 mg/kg	
LD50 dermal (rat)	> 2000 mg/kg	
Mineral oil		
LD50 oral (rat)	> 5000 mg/kg	

28-10-2015 EN (English) SDS Ref.: RY-7826 5/9

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

Mineral oil	
LD50 dermal (rabbit)	> 5000 mg/kg
LC50 inhalation (rat) (Vapours - mg/l/4h)	> 5000 mg/l/4h
Skin corrosion/irritation	: Not classified
	Based on available data, the classification criteria are not met
Serious eye damage/irritation	: Causes serious eye irritation.
	Based on available data, the classification criteria are not met
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
	Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
	Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified
	Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure)	: Not classified
	Based on available data, the classification criteria are not met
Specific target organ toxicity (repeated	: Not classified
exposure)	Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified
7 opilation nazara	Based on available data, the classification criteria are not met
Endurox FLD SAE 10W/40	2000 C.
Viscosity, kinematic	118 mm²/s @40°C
Potential adverse human health effects and	: Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

Toxicity

symptoms

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)		
EC50 Daphnia 1	10000 mg/l	
Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts (68649-42-3)		
LC50 fish 1	35 (≥ 1) mg/l	
EC50 Daphnia 1	1,5 mg/l	
Mineral oil		
LC50 fish 1	100 mg/l	
EC50 Daphnia 1	10000 mg/l	
NOEC chronic crustacea	10 mg/l 21 d	

12.2. Persistence and degradability

Endurox FLD SAE 10W/40		
Persistence and degradability	Not established.	
Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts (68649-42-3)		
Persistence and degradability	Not readily biodegradable.	
Mineral oil		
Biodegradation	31 % 28 Days OECD TG 301 B	
12.3. Bioaccumulative potential		

Endurox FLD SAE 10W/40	
Bioaccumulative potential	Not established.
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	
Log Kow	> 4

12.4. Mobility in soil

No additional information available

Results of PBT and vPvB assessment

No additional information available

28-10-2015 EN (English) SDS Ref.: RY-7826 6/9

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

12.6. Other adverse effects

Additional information : Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of

contents/container to ...

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

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

14.1. UN number

Not regulated for transport

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

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

No data available

- Transport by sea

No data available

- Air transport

No data available

- Inland waterway transport

No data available

28-10-2015 EN (English) SDS Ref.: RY-7826 7/9

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

- Rail transport

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 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

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. BlmSchV (Hazardous Incident Ordinance)

Netherlands

Ministry's list of carcinogens : Distillates (petroleum), hydrotreated heavy paraffinic, Phosphorodithioic acid, O,O-di-C1-14-

alkyl esters, zinc salts are listed

Ministry's list of mutagens : Distillates (petroleum), hydrotreated heavy paraffinic, Phosphorodithioic acid, O,O-di-C1-14-

alkyl esters, zinc salts are listed None of the components are listed

NON-exhaustive list of reproductive toxins -

Breastfeeding

: None of the components are listed

NON-exhaustive list of reproductive toxins -

Fertility

NON-exhaustive list of reproductive toxins -

Evolution

: None of the components are listed

Denmark

Classification remarks : Emergency management guidelines for the storage of flammable liquids must be followed

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

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE

COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending

Regulation (EC) No 1907/2006.

Other information : None.

Full text of H- and EUH-statements:

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
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Sensitisation — Skin, Category 1
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H411	Toxic to aquatic life with long lasting effects
H413	May cause long lasting harmful effects to aquatic life

SDS EU (REACH Annex II)

28-10-2015 EN (English) SDS Ref.: RY-7826 8/9

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

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28-10-2015 EN (English) SDS Ref.: RY-7826 9/9