



# Motor Oil 15W-40 Extra High Performance Diesel Truck

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Date of issue: 7-5-2010 Revision date: 5-12-2017 Supersedes: 12-2-2013 version: 4.0

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

#### 1.1. Product identifier

Product form : Mixture  
 Product name : Motor Oil 15W-40 Extra High Performance Diesel Truck  
 Product code : 04000AC  
 Product group : Blend

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

##### 1.2.1. Relevant identified uses

Main use category : Professional use  
 Use of the substance/mixture : Automotive care products  
 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

MPM International Oil Company  
 Cyclotronweg 1  
 2629 HN Delft - Nederland  
 T +31 (0)15 2514030 - F +31 (0)15 2514031  
[info@mpmoil.nl](mailto:info@mpmoil.nl) - [www.mpmoil.nl](http://www.mpmoil.nl)

#### 1.4. Emergency telephone number

Emergency number : +31 (0)15 2514030 (08.00 - 17.00 GMT+1)

Country	Official advisory body	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	Beaumont Hospital Beaumont Road 9 Dublin	: +353 1 8379964	
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	0870 243 2241	

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Not classified

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

No additional information available

#### 2.2. Label elements

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

EUH-statements : EUH208 - Contains Molybdeenpolysulfide-alkyldithiocarbamaatlongchaincomplex. May produce an allergic reaction.  
 EUH210 - Safety data sheet available on request.

#### 2.3. Other hazards

No additional information available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

# Motor Oil 15W-40 Extra High Performance Diesel Truck

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Zinc bis[O-(-6-methylheptyl)] bis[O-(sec-butyl)]bis(dithiophosphate)	(CAS-No.) 93819-94-4 (EC-No.) 298-577-9 (REACH-no) 01-2119543726-33	1 - 2,49	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411
Reaction products of benzeneamine, N-phenyl- with nonene (branched)	(CAS-No.) 36878-20-3 (EC-No.) 253-249-4 (REACH-no) 01-2119488911-28	1 - 2,49	Aquatic Chronic 4, H413
reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate	(CAS-No.) 125643-61-0 (EC-No.) 406-040-9 (EC Index-No.) 607-530-00-7	1 - 2,49	Aquatic Chronic 1, H410 (M=10)
Molybdeenpolysulfide-alkyldithiocarbamaatlongchaincomplex	(EC-No.) 457-320-2 (REACH-no) 01-0000019337-66	0,01 - 0,15	Skin Irrit. 2, H315 Eye Dam. 1, H318 Eye Irrit. 2, H319

### Specific concentration limits:

Name	Product identifier	Specific concentration limits
Zinc bis[O-(-6-methylheptyl)] bis[O-(sec-butyl)]bis(dithiophosphate)	(CAS-No.) 93819-94-4 (EC-No.) 298-577-9 (REACH-no) 01-2119543726-33	( 6,25 =<C < 100) Skin Irrit. 2, H315 ( 10 =<C < 12,5) Eye Irrit. 2, H319 ( 12,5 =<C < 100) Eye Dam. 1, H318

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- After inhalation : No special measures are necessary.
- After skin contact : Gently wash with plenty of soap and water.
- After eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- After ingestion : Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER/doctor.

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

- Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

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

First Aid, decontamination, treatment of symptoms.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- Suitable extinguishing media : powder, alcohol-resistant foam, water spray, carbon dioxide.
- Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : Although this substance has flammability data, it is difficult to ignite in air and is classified as non-flammable.

### 5.3. Advice for firefighters

- Firefighting instructions : Exercise caution when fighting any chemical fire.
- Other information : Use water spray/stream to protect personnel and to cool endangered containers.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

- Protective equipment : Wear suitable protective clothing and gloves.

#### 6.1.2. For emergency responders

- Protective equipment : Wear suitable protective clothing and gloves.

### 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 : Prevent spreading over great surfaces (e.g. by damming or installing oil booms).
- Methods for cleaning up : Clean up with absorbent material (for example sand, sawdust, neutral absorbent granule, silica gel).
- Other information : Can be slippery on hard, smooth walking area.

# Motor Oil 15W-40 Extra High Performance Diesel Truck

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### 6.4. Reference to other sections

Information on disposal - see Section 13. Information on personal protective equipment - see Chapter 8. Information on safe handling - see Section 7.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid all unnecessary exposure. Both local exhaust and general room ventilation are usually required.  
Handling temperature : < 40 °C  
Hygiene measures : When using do not eat, drink or smoke. Wash hands before breaks and at the end of work.

### 7.2. Conditions for safe storage, including any incompatibilities

Incompatible products : Do not use with strong oxidizing agents, nor with strong acids or strong bases.  
Storage temperature : < 40 °C  
Storage area : Ensure adequate ventilation of the storage area. Keep container tightly closed and dry.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Molybdeenpolysulfide-alkyldithiocarbamaatlongchaincomplex		
EU	IOELV TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>

Additional information : Based on ACGIH TLV, a concentration of 5 mg/m<sup>3</sup> oilspray (TWA, 8 hour workday) is recommended.

### 8.2. Exposure controls

#### Technical measures:

If suction of the immediate vicinity is impossible or insufficient, adequate airing of the working place must be ensured.

#### Personal protective equipment:

Gloves.

#### Materials for protective clothing:

Suitable material: neoprene. nitrile rubber

#### Hand protection:

Wear suitable gloves resistant to chemical penetration. DIN EN 374. In the cases of special applications, it is recommended to check the chemical resistance with the manufacturer of the gloves.

#### Eye protection:

Safety glasses

#### Skin and body protection:

Wear suitable protective clothing.

#### Respiratory protection:

Not necessary with sufficient ventilation



## SECTION 9: Physical and chemical properties

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

Physical state : Liquid  
Appearance : Oily.  
Colour : Yellowbrown.  
Odour : characteristic.  
Odour threshold : No data available  
pH : No data available

# Motor Oil 15W-40 Extra High Performance Diesel Truck

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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	: > 200 °C ASTM D 92
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	: 864 g/l @ 15°C
Solubility	: Slightly soluble, the product remains on the water surface. Water: practically insoluble
Log Pow	: No data available
Viscosity, kinematic	: 93 mm <sup>2</sup> /s @ 40°C
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

Softening point : -27 °C

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

None under normal use.

### 10.2. Chemical stability

The product is stable at normal handling- and storage conditions.

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

None under normal use.

### 10.5. Incompatible materials

Oxidizing substances. Acids and bases.

### 10.6. Hazardous decomposition products

On burning: release of harmful/irritant gases/vapours e.g.: carbon monoxide - carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

<b>Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)]bis(dithiophosphate) (93819-94-4)</b>	
LD50 oral rat	2600 mg/kg
LD50 dermal rat	> 3160 mg/kg OECD 402

<b>Reaction products of benzeneamine, N-phenyl- with nonene (branched) (36878-20-3)</b>	
LD50 oral rat	> 5000 mg/kg (OECD 401 method)
LD50 dermal rat	> 2000 mg/kg (OECD 402 method)

<b>reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0)</b>	
LD50 oral rat	> 2000 mg/kg (OECD 401 method)
LD50 dermal rat	> 2000 mg/kg (OECD 402 method)

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

# Motor Oil 15W-40 Extra High Performance Diesel Truck

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

Motor Oil 15W-40 Extra High Performance Diesel Truck	
Viscosity, kinematic	93 mm <sup>2</sup> /s @ 40°C

### SECTION 12: Ecological information

#### 12.1. Toxicity

Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)]bis(dithiophosphate) (93819-94-4)	
LC50 fish 1	4,5 ml/l OECD 203 (oncorhynchys mykiss, 96h)
EC50 Daphnia 1	5,4 mg/l OECD 202, (Daphnia magna, 72h)
EC50 other aquatic organisms 1	2,1 ml/l OECD 201 (Selenastrum capricornutum , 48h)

Reaction products of benzeneamine, N-phenyl- with nonene (branched) (36878-20-3)	
LC50 fish 1	> 100 mg/l @ 96h
LC50 other aquatic organisms 1	600 mg/l @ 72h (Algae)
EC50 Daphnia 1	51 mg/l @ 48h
EC50 72h algae (1)	> 100 mg/l
NOEC chronic algae	33 mg/l @ 96h

reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0)	
LC50 fish 1	> 74 mg/l @96h
LC50 fish 2	> 100 mg/l @ 14d
EC50 Daphnia 1	4,3 mg/l @ 24 h
EC50 Daphnia 2	> 100 mg/l @ 48 h
NOEC chronic fish	0,001 mg/l @ 36 d
NOEC chronic algae	>= 3 mg/l @ 72 h

Molybdeenpolysulfide-alkyldithiocarbamaatlongchaincomplex	
EC50 Daphnia 1	50 mg/l OECD 202
EC50 72h algae (1)	9,62 mg/l OECD 201.
NOEC (acute)	94,8 mg/l
NOEC chronic algae	100 mg/l @21d Daphnia Magna

#### 12.2. Persistence and degradability

Motor Oil 15W-40 Extra High Performance Diesel Truck	
Persistence and degradability	Not soluble in water, so only minimally biodegradable.

Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)]bis(dithiophosphate) (93819-94-4)	
Biodegradation	1,5 % OECD 301B 28d

Reaction products of benzeneamine, N-phenyl- with nonene (branched) (36878-20-3)	
Persistence and degradability	Poorly biodegradable.
Biodegradation	0 % Sturm-test @28d

reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0)	
Persistence and degradability	Poorly biodegradable.
Biodegradation	1 % @28 d

Molybdeenpolysulfide-alkyldithiocarbamaatlongchaincomplex	
Persistence and degradability	Not readily biodegradable.
Biodegradation	22,75 % 29d

#### 12.3. Bioaccumulative potential

Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)]bis(dithiophosphate) (93819-94-4)	
Log Pow	0,9 @ 23C

Reaction products of benzeneamine, N-phenyl- with nonene (branched) (36878-20-3)	
Bioconcentration factor (BCF REACH)	1730
Log Kow	3,6 @0.1d
Bioaccumulative potential	Moderate bioconcentration.

reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0)	
Bioconcentration factor (BCF REACH)	258 (OECD 305 method)

# Motor Oil 15W-40 Extra High Performance Diesel Truck

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0)

Log Pow	9,2
Bioaccumulative potential	Moderately bioaccumulative.

### Molybdeenpolysulfide-alkyldithiocarbamaatlongchaincomplex

BCF fish 1	88 OECD 305 (Cyprinus carpio, 25C)
Bioconcentration factor (BCF REACH)	88 OECD 305 (Cyprinus carpio, 25C - 0.05mg/l)

### 12.4. Mobility in soil

#### Reaction products of benzeneamine, N-phenyl- with nonene (branched) (36878-20-3)

Log Koc	> 2000
Soil	Low mobility (soil).

#### reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0)

Log Koc	> 2000
Soil	Low mobility (soil).

### Molybdeenpolysulfide-alkyldithiocarbamaatlongchaincomplex

Soil	Adsorbs into the soil.
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### 12.5. Results of PBT and vPvB assessment

Component	
Reaction products of benzeneamine, N-phenyl- with nonene (branched) (36878-20-3)	This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.
reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0)	This substance does not meet the PBT/vPvB criteria of REACH, 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 official state regulations.

## SECTION 14: Transport information

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

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
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>				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No
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

# Motor Oil 15W-40 Extra High Performance Diesel Truck

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### - Rail transport

No data available

### 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

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

Indication of changes:

	SDS EU format	Added	
	Supersedes	Added	
	Revision date	Modified	
1.1	Name	Added	
1.2	Main use category	Modified	
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Removed	
2.1	Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]	Modified	
2.2	EUH-statements	Added	
2.2	Extra phrases	Added	
2.2	CLP Signal word	Removed	
2.2	Hazard pictograms (CLP)	Removed	
2.2	Precautionary statements (CLP)	Removed	
2.2	S-phrases	Modified	
2.2	Hazard statements (CLP)	Removed	
3	Composition/information on ingredients	Modified	
4.1	General	Removed	
4.1	After skin contact	Modified	
4.1	After ingestion	Modified	
4.1	After eye contact	Modified	
5.3	Firefighting instructions	Added	
5.3	Other information	Modified	
5.3	Protection during firefighting	Removed	
6.1	Protective equipment	Modified	
6.1	Protective equipment	Modified	
6.1	General measures	Removed	
6.2	Environmental precautions	Modified	
7.1	Handling temperature	Added	
7.1	Precautions for safe handling	Modified	
7.2	Technical measures	Removed	
7.2	Storage conditions	Removed	
9.1	Viscosity, kinematic	Modified	

# Motor Oil 15W-40 Extra High Performance Diesel Truck

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

9.1	Density	Modified	
9.1	Flash point	Modified	
9.1	Solubility	Added	
9.2	Softening point	Added	
11.1	Reason for no classification	Added	
12.2	Persistence and degradability	Added	
16	Abbreviations and acronyms	Added	

### Abbreviations and acronyms:

	ACGIH: American Conference of Governmental Industrial Hygienists. TWA: Time Weighted Average. TLV: Threshold Limit Value. ASTM: American Society for Testing and Materials . ADR: Accord Européen Relatif au Transport International des Marchandises Dangereuses par Route . RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail . ADNR: Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin. IMDG: International Maritime Dangerous Goods. ICAO: International Civil Aviation Organization . IATA: International Air Transport Association. STEL: Short Term Exposure Limit. LD50: median Lethal Dose for 50% of subjects. ATE: acute toxicity estimate. LC50: median Lethal Concentration for 50% of subjects. EC50: concentration producing 50% effect.
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### Full text of H- and EUH-statements:

Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 4	Hazardous to the aquatic environment — Chronic Hazard, Category 4
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
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.
EUH208	Contains . May produce an allergic reaction.
EUH210	Safety data sheet available on request.

### SDS MPM REACH

*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*