



# Motor Oil 10W-30 Multi Grade

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830  
Issue date: 23-4-2020 Revision date: 23-4-2020 Supersedes: 28-2-2017 version: 5.2

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : Motor Oil 10W-30 Multi Grade  
Product code : 02000B

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

##### 1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use, Consumer use  
Industrial/Professional use spec : Non-dispersive use  
Used in closed systems  
Use of the substance/mixture : Automotive Care Products.  
Function or use category : Lubricants and additives

##### 1.2.2. Uses advised against

Restrictions on use : Use only as described in section 1.2.1 or contact supplier for advice.

#### 1.3. Details of the supplier of the safety data sheet

MPM International Oil Company  
Cyclotronweg 1  
2629 HN Delft Delft - Nederland  
T +31 (0)15 2514030 - F +31 (0)15 2514031  
[msds@mpmoil.nl](mailto:msds@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	+44 20 7188 7188	

### 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 : 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

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Zinc Alkyldithiophosphate	(CAS-No.) 68649-42-3 (EC-No.) 272-028-3 (REACH-no) 01-2119493635-27	1 – 1,99	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411

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Organicmolybdenum amide	(CAS-No.) 445409-27-8 (EC-No.) 686-534-0	0,1 – 0,49	Aquatic Chronic 2, H411
<b>Specific concentration limits:</b>			
<b>Name</b>	<b>Product identifier</b>	<b>Specific concentration limits</b>	
Zinc Alkyldithiophosphate	(CAS-No.) 68649-42-3 (EC-No.) 272-028-3 (REACH-no) 01-2119493635-27	( 5 ≤C < 10) Eye Irrit. 2, H319 ( 10 ≤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 protection required.
After skin contact	: Gently wash with plenty of soap and water.
After eye contact	: In case of eye contact, immediately rinse with clean water for 10-15 minutes.
After ingestion	: Get immediate medical advice/attention. Do NOT induce vomiting.

### 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.
After inhalation	: Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
After skin contact	: Not expected to present a significant skin hazard under anticipated conditions of normal use.
After eye contact	: Not expected to present a significant eye contact hazard under anticipated conditions of normal use.
After ingestion	: Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

### 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	: water spray, powder, foam and CO2.
Unsuitable extinguishing media	: Do not use a heavy water stream.

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

No additional information available

### 5.3. Advice for firefighters

Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
Other information	: Exercise caution when fighting any chemical fire. Do not enter fire area without proper protective equipment, including respiratory protection. Use a water spray to cool exposed surfaces and to protect fire-fighters.

## 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.
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#### 6.1.2. For emergency responders

Protective equipment	: Wear suitable protective clothing and gloves.
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### 6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters.

### 6.3. 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 streams.
Methods for cleaning up	: Clean with the help of detergents. Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel).
Other information	: If spilled, may cause the floor to be slippery.

### 6.4. Reference to other sections

No additional information available

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### 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 : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

- Storage temperature : < 40 °C
- Storage area : Store in a closed container. Keep in a cool, well-ventilated place.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

- Additional information : Based on ACGIH TLV, a concentration of 5 mg/m3 oilspray (TWA, 8 hour workday) is recommended.

#### 8.2. Exposure controls

##### Personal protective equipment:

Gloves. Safety glasses.

##### Hand protection:

Wear suitable gloves resistant to chemical penetration

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Reusable gloves	Nitrile rubber (NBR)	6 (> 480 minutes)			

##### Eye protection:

Safety goggles

##### Skin and body protection:

No special clothing/skin protection equipment is recommended under normal conditions of use

##### Respiratory protection:

No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation

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



### SECTION 9: Physical and chemical properties

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

- Physical state : Liquid
- Appearance : Oily.
- Colour : amber.
- Odour : characteristic.
- 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 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

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Relative density	: No data available
Density	: 875 g/l @ 15°C
Solubility	: Slightly soluble, the product remains on the water surface.
Log Pow	: No data available
Viscosity, kinematic	: 70,4 mm²/s @ 100°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

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

None under normal conditions.

### 10.2. Chemical stability

No additional information available

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

No additional information available

### 10.5. Incompatible materials

Oxidizing agent. acids and bases.

### 10.6. Hazardous decomposition products

No additional information available

## 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

#### Zinc Alkyldithiophosphate (68649-42-3)

LD50 oral rat	2230 mg/kg
LD50 dermal rat	> 2000 mg/kg

#### Organicmolybdenum amide (445409-27-8)

LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 2000 mg/kg

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: (Dilution test data are available that apply to the ZDDP (zinc dithiophosphates) present in the mixture A product with a concentration of 15.4% ZDDP was tested in an eye irritation study in vivo (OECD405) A slight redness and chem were observed after 24 hours, but were found to be completely reversible after 48 hours No further signs of irritation were observed during the observation period of 7 days This test data confirms that the mixture does not meet the classification criteria for eye damage 1, H318, eye irritation 2, H319 skin irritation 2, H315 according to the CLP regulation if a mixture contains a concentration of <15% (weight%) of ZDDP.)
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

#### Motor Oil 10W-30 Multi Grade

Viscosity, kinematic	70,4 mm²/s @ 100°C
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### SECTION 12: Ecological information

#### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

#### Zinc Alkyldithiophosphate (68649-42-3)

LC50 fish 1	1 – 5 mg/l @ 96h
EC50 Daphnia 1	1 – 1,5 @ 48 h
EC50 other aquatic organisms 2	1 – 5 mg/l Algae @ 96 h
NOEC (acute)	1 mg/l @ 96 h ( Fish )
NOEC chronic algae	1 mg/l @ 96 h

#### Organicmolybdenum amide (445409-27-8)

LC50 fish 1	> 10 mg/l @ 96h
EC50 Daphnia 1	1,5 mg/l @ 48h
EC50 other aquatic organisms 1	1,5 mg/l @ 72 h

#### 12.2. Persistence and degradability

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Persistence and degradability	Not soluble in water, so only minimally biodegradable.
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#### Zinc Alkyldithiophosphate (68649-42-3)

Persistence and degradability	Not readily biodegradable.
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#### 12.3. Bioaccumulative potential

##### Zinc Alkyldithiophosphate (68649-42-3)

Bioaccumulative potential	Not established.
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#### 12.4. Mobility in soil

##### Zinc Alkyldithiophosphate (68649-42-3)

Soil	No data available.
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#### 12.5. Results of PBT and vPvB assessment

No additional information available

#### 12.6. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Regional legislation (waste)	: Disposal must be done according to official regulations.
Waste disposal recommendations	: Remove to an authorized waste treatment plant.

### SECTION 14: Transport information

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

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

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### 14.5. Environmental hazards

Not applicable	Not applicable
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No supplementary information available

### 14.6. Special precautions for user

#### Overland transport

Not applicable

#### Transport by sea

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

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

### Full text of H- and EUH-statements:

Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
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.
H411	Toxic to aquatic life with long lasting effects.
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.*