



# Vacume Pump Oil ISO VG 100

## Safety Data Sheet

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

Revision date: 10-2-2015 version: 4.0

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

#### 1.1. Product identifier

Product form : Mixture  
 Product name : Vacume Pump Oil ISO VG 100  
 Product code : 49000

#### 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)

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, Centre Hospitalier Universitaire de Constantine	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]

Extra phrases : This material and its container must be disposed of in a safe way, and as per local legislation  
 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

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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	0,1 - 0,5	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411
Alkylphenol (2,6-di-tert-butylphenol)	(CAS No) 128-39-2 (EC No) 204-884-0	0,1 - 0,5	Skin Irrit. 2, H315 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Benzene, mono-C12-18-branched alkyl derivs.	(CAS No) 94094-94-7 (EC No) 302-197-1	0,00025 - 0,00035	Asp. Tox. 1, H304 Aquatic Chronic 4, H413

### Specific concentration limits:

Name	Product identifier	Specific concentration limits
Zinc Alkyldithiophosphate	(CAS No) 68649-42-3 (EC No) 272-028-3 (REACH-no) 01-2119493635-27	( 5 =<C < 10) Eye Irrit. 2, H319 (C >= 10) 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	: Not required.
After skin contact	: Wash with plenty of soap and water.
After eye contact	: In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart.
After ingestion	: IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Get immediate medical advice/attention.

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

Symptoms/injuries	: Not expected to present a significant hazard under anticipated conditions of normal use.
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### 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	: Powder. Foam. Carbon dioxide (CO <sub>2</sub> ).
Unsuitable extinguishing media	: High power water jet.

### 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.

## SECTION 6: Accidental release measures

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

General measures	: When using do not smoke. May be dangerously slippery if spilled.
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#### 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

Do not release in groundwater, surfacewater or sewerage.

### 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.

### 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 : Keep away from sources of ignition - No smoking.  
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

Technical measures : Store in a well-ventilated place. Keep container tightly closed.  
Storage temperature : ≤ 40 °C  
Storage area : Keep container tightly closed and dry. Ensure adequate ventilation of the storage area.

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

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Vacume Pump Oil ISO VG 100

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

#### 8.2. Exposure controls

##### Technical measures:

Provide adequate ventilation.

##### Personal protective equipment:

Gloves.

##### Hand protection:

None under normal use

##### Eye protection:

Safety glasses

##### Skin and body protection:

None under normal use

##### Respiratory protection:

Not necessary with sufficient ventilation. If technical suction or ventilation measures are not possible or are insufficient, protective breathing apparatus must be worn



### SECTION 9: Physical and chemical properties

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

Physical state : Liquid  
Appearance : Oily.  
Colour : Yellowbrown.  
Odour : Oily.  
Odour threshold : No data available  
pH : No data available  
Relative evaporation rate (butylacetate=1) : No data available  
Melting point : No data available  
Freezing point : -24 °C  
Boiling point : No data available  
Flash point : > 220 °C  
Auto-ignition temperature : No data available

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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	: 887 g/l
Solubility	: practically insoluble.
Log Pow	: No data available
Viscosity, kinematic	: 100 mm <sup>2</sup> /s 40C
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: 1 - 6

### 9.2. Other information

No additional information available

## 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 dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

No additional information available

### 10.5. Incompatible materials

Oxidizing substances. Acids and bases.

### 10.6. Hazardous decomposition products

No additional information available

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity	: Not classified (Inconclusive data)
Additional information	: Elevated temperatures or mechanical action can irritate the nose, throat and lungs

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

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

#### Benzene, mono-C12-18-branched alkyl derivs. (94094-94-7)

LD50 oral	> 10000 mg/kg
LD50 dermal	> 3160 mg/kg

Skin corrosion/irritation	: Not classified
Additional information	: Repeated or prolonged skin contact may cause irritation
Serious eye damage/irritation	: Not classified
Additional information	: Slightly irritant to eyes
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

#### Vacume Pump Oil ISO VG 100

Viscosity, kinematic	100 mm <sup>2</sup> /s 40C
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### SECTION 12: Ecological information

#### 12.1. Toxicity

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

#### 12.2. Persistence and degradability

Vacume Pump Oil ISO VG 100	
Persistence and degradability	Not soluble in water, so only minimally biodegradable.

Zinc Alkyldithiophosphate (68649-42-3)	
Persistence and degradability	No data available.

#### 12.3. Bioaccumulative potential

Zinc Alkyldithiophosphate (68649-42-3)	
Bioaccumulative potential	not determined.

#### 12.4. Mobility in soil

Zinc Alkyldithiophosphate (68649-42-3)	
Soil	No data available.

#### 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) : Waste disposal according to official state 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
Not applicable	Not applicable
<b>14.4. Packing group</b>	
Not applicable	Not applicable
<b>14.5. Environmental hazards</b>	
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No
No supplementary information available	

#### 14.6. Special precautions for user

##### - Overland transport

No data available

##### - Transport by sea

No data available

#### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

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### 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

Full text of H- and EUH-statements:

Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
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
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
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H400	Very toxic to aquatic life.
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.

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*