



# Motor Oil SAE 50 Super Single Grade

## Safety Data Sheet

41000E

\*\*\* DRAFT \*\*\*

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

Date of issue:

Revision date: 06/03/2014

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 SAE 50 Super Single Grade  
Product code : 41000E

#### 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  
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
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

#### 2.2. Label elements

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

EUH-statements : EUH210 - Safety data sheet available on request  
Extra phrases : This material and its container must be disposed of in a safe way, and as per local legislation

#### 2.3. Other hazards

No additional information available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

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 - 0,99	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411

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Organicomolybdenum amide		0,1 - 0,25	Aquatic Chronic 2, H411
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### 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	: No special measures are necessary.
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	: Do NOT induce vomiting. Rinse mouth. 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	: hazy water, powder, foam and CO2.
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. 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.
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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. 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 with the help of detergents. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
Other information	: Can be slippery on hard, smooth walking area.

### 6.4. Reference to other sections

No additional information available

## 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. Prevent the formation of oil mist.
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

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

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### 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/m<sup>3</sup> oilspray (TWA, 8 hour workday) is recommended.

### 8.2. Exposure controls

Personal protective equipment : Safety glasses. Gloves.  
Hand protection : Wear suitable gloves resistant to chemical penetration  
Eye protection : Safety glasses  
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



## 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  
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 : > 240 °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 : 898 g/l @ 15°C  
Solubility : Slightly soluble, the product remains on the water surface.  
Log Pow : No data available  
Viscosity, kinematic : 200 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

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

None under normal conditions.

### 10.2. Chemical stability

No additional information available

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### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

No additional information available

### 10.5. Incompatible materials

Strong 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 : Not classified

#### Organicmolybdenum amide

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

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

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

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  
Specific target organ toxicity (single exposure) : Not classified  
Specific target organ toxicity (repeated exposure) : Not classified  
Aspiration hazard : Not classified

#### Motor Oil SAE 50 Super Single Grade

Viscosity, kinematic	200 mm <sup>2</sup> /s @ 40°C
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Other information : This product is formulated with highly refined mineral oils which are considered under IARC as not carcinogenic. It was the IP 346 test showed that all oils in this product contains less than 3% extractable substances.

## SECTION 12: Ecological information

### 12.1. Toxicity

General : Danger of drinking-water pollution (ground water). Do not release in groundwater, surfacewater or sewerage.

#### Organicmolybdenum amide

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

#### 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

#### Motor Oil SAE 50 Super Single Grade

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

Persistence and degradability	No data available.
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### 12.3. Bioaccumulative potential

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

Bioaccumulative potential	not determined.
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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) : 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

### 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

### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR) : Not applicable

#### IMDG

Transport hazard class(es) (IMDG) : Not applicable

### 14.4. Packing group

Packing group (ADR) : Not applicable  
Packing group (IMDG) : 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

### 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

No additional information available

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### 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
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H315	Causes skin irritation.
H318	Causes serious eye damage.
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*