



Motor Oil 15W-50 Multi Grade

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
Revision date: 27-1-2015 version: 5.0

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

1.1. Product identifier

Product form : Mixture
Product name : Motor Oil 15W-50 Multi Grade
Product code : 01000A

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 - 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.
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. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|-------------------------------|--|--------|---|
| White mineral oil (petroleum) | (CAS-No.) 8042-47-5 (EC-No.) 232-455-8 (REACH-no) 01-2119487078-27 | 1 - 10 | Asp. Tox. 1, H304 |

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| | | | |
|---------------------------|---|------------|--|
| Organicmolybdenum amide | (CAS-No.) 445409-27-8 (EC-No.) 686-534-0 | 0,1 - 0,99 | Aquatic Chronic 2, H411 |
| 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 |

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 (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 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/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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|--------------------------------|--------------------------------------|
| Suitable extinguishing media | : water spray, 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. |
|----------------------|---|

6.1.2. For emergency responders

| | |
|----------------------|---|
| Protective equipment | : Wear suitable protective clothing and gloves. |
|----------------------|---|

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. |
| 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 |
|---------------------|-----------|

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Storage area : Keep container tightly closed 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

White mineral oil (petroleum) (8042-47-5)

| | | |
|---------|---|--------|
| EU | IOELV TWA (ppm) | 5 ppm |
| EU | IOELV STEL (ppm) | 10 ppm |
| Germany | TRGS 910 Acceptable concentration notes | |

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

8.2. Exposure controls

Hand protection:

Wear suitable gloves resistant to chemical penetration

| Type | Material | Permeation | Thickness (mm) | Penetration | Standard |
|-----------------|---|-------------------|----------------|-------------|----------|
| Reusable gloves | Nitrile rubber (NBR), Polyvinylchloride (PVC) | 5 (> 240 minutes) | | | |

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 | : > 230 °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 | : 887 g/l @ 15°C |
| Solubility | : Slightly soluble, the product remains on the water surface. |
| Log Pow | : No data available |
| Viscosity, kinematic | : 168 mm ² /s @ 40°C |
| Viscosity, dynamic | : No data available |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |
| Explosive limits | : No data available |

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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

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 (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

White mineral oil (petroleum) (8042-47-5)

LD50 oral rat > 5000 mg/kg

LD50 dermal rabbit > 3000 mg/kg

Organicmolybdenum amide (445409-27-8)

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

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

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Viscosity, kinematic 168 mm²/s @ 40°C

SECTION 12: Ecological information

12.1. Toxicity

Acute aquatic toxicity : Not classified

Chronic aquatic toxicity : Not classified

White mineral oil (petroleum) (8042-47-5)

LC50 fish 1 > 100 mg/l

Organicmolybdenum amide (445409-27-8)

LC50 fish 1 > 10 mg/l @ 96h

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| | |
|--------------------------------|-----------------|
| 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

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| | |
|-------------------------------|--|
| 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 |
|---|---|
| 14.1. UN number | |
| Not applicable | Not applicable |
| 14.2. UN proper shipping name | |
| Not applicable | Not applicable |
| 14.3. Transport hazard class(es) | |
| Not applicable | Not applicable |
| 14.4. Packing group | |
| Not applicable | Not applicable |
| 14.5. Environmental hazards | |
| 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

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Transport by sea

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

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.

Substance(s) are not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC.

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 |
| Asp. Tox. 1 | Aspiration hazard, Category 1 |
| 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 |
| H304 | May be fatal if swallowed and enters airways. |
| 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.