



4-Stroke Motorcycle Oil 15W-50 Synth.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
Issue date: 8-4-2011 Revision date: 26-10-2020 Supersedes: 9-6-2020 version: 3.3

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

1.1. Product identifier

Product name : 4-Stroke Motorcycle Oil 15W-50 Synth.

Product code : 52000B

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 Delft - Nederland
T +31 (0)15 2514030 - F +31 (0)15 2514031
msds@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.

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 | ~ 1,3 | Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411 |
| Organicmolybdenum amide | (CAS-No.) 445409-27-8 (EC-No.) 686-534-0 | 0,1 – 0,5 | 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 (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

| | |
|--------------------|-------------------------------------------------------------------------------------------------------------------|
| General | : If you feel unwell, seek medical advice (show the label where possible). |
| After inhalation | : Not required. |
| After skin contact | : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. |
| After eye contact | : Wash immediately with lots of water. |
| After ingestion | : Get immediate medical advice/attention. Do NOT induce vomiting. Rinse mouth out with water. |

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

| | |
|--------------------|----------------------------------------------------------------------------------------------------|
| Symptoms/effects | : If medical advice is needed, have product container or label at hand. |
| After inhalation | : None under normal use. |
| After skin contact | : Contact during a long period may cause light irritation. |
| After eye contact | : May cause slight irritation. |
| After ingestion | : Swallowing the liquid may cause aspiration into the lungs with the risk of chemical pneumonitis. |

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

No additional information available

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

| | |
|-------------------|----------------------------------------------------------------------------|
| Other information | : 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. |
|----------------------|-------------------------------------------------|

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 product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

No additional information available

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

No additional information available

7.2. Conditions for safe storage, including any incompatibilities

| | |
|---------------------|-----------------------------------------------------------------------|
| Storage temperature | : < 50 °C |
| Storage area | : Keep in a cool, well-ventilated place. Store in a closed container. |

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

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8.2. Exposure controls

Technical measures:

Ensure good ventilation of the work station.

Personal protective equipment:

Gloves.

Materials for protective clothing:

Wear suitable protective clothing, gloves and eye/face protection

Hand protection:

Wear suitable gloves resistant to chemical penetration

| Type | Material | Permeation | Thickness (mm) | Penetration | Standard |
|------|----------------------|-------------------|----------------|-------------|----------|
| | Nitrile rubber (NBR) | 6 (> 480 minutes) | >0,35 | | |

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

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 | : light brown. |
| 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 | : > 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 | : 852 g/l |
| Solubility | : Slightly soluble, the product remains on the water surface. |
| Log Pow | : No data available |
| Viscosity, kinematic | : 160 mm ² /s |
| Viscosity, dynamic | : No data available |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |
| Explosive limits | : 1 – 6 vol % |

9.2. Other information

No additional information available

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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 (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 : 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 | 160 mm ² /s |
|----------------------|------------------------|

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 |

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

Zinc Alkyldithiophosphate (68649-42-3)

| | |
|-------------------------------|----------------------------|
| Persistence and degradability | Not readily biodegradable. |
|-------------------------------|----------------------------|

12.3. Bioaccumulative potential

Zinc Alkyldithiophosphate (68649-42-3)

| | |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |
|---------------------------|------------------|

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) | : Comply with local regulations for disposal. |
| European List of Waste (LoW) code | : 13 02 00 - waste engine, gear and lubricating oils 13 02 05* - mineral-based non-chlorinated engine, gear and lubricating oils 15 01 10* - packaging containing residues of or contaminated by dangerous substances |

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

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

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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.