



4-Stroke Motorcycle Oil 5W-40 Prem.Synth.

Safety Data Sheet

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

Date of issue: 19-1-2012 Revision date: 10-10-2014 version: 1.3

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

1.1. Product identifier

Product name : 4-Stroke Motorcycle Oil 5W-40 Prem.Synth.

Product code : 57000

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 - 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

4-Stroke Motorcycle Oil 5W-40 Prem.Synth.

Safety Data Sheet

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

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|---------|--|
| Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)]bis(dithiophosphate) | (CAS No) 93819-94-4 (EC No) 298-577-9 (REACH-no) 01-2119543726-33 | 0,1 - 1 | Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411 |
| Phosphorodithioic acid, mixed O,O-bis(iso-Bu and pentyl) esters, zinc salts | (CAS No) 68457-79-4 (EC No) 270-608-0 | 0,1 - 1 | Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411 |

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|--------------------|--|
| General | : In case of accident or if you feel unwell, seek medical advice immediately (show safety data sheet if possible). |
| After inhalation | : Not required. |
| After skin contact | : After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. |
| After eye contact | : Wash immediately with lots of water. |
| 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 | : In case of accident or if you feel unwell, seek medical advice immediately (show this label if possible). |
| 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 | : Harmful: may cause lung damage if swallowed. |

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

First Aid, decontamination, treatment of symptoms.

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 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

| | |
|------------------|--|
| General measures | : Keep away from sources of ignition - No smoking. |
|------------------|--|

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Avoid release to the environment. Prevent spreading over great surfaces (e.g. by damming or installing oil booms). Notify authorities if liquid 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

4-Stroke Motorcycle Oil 5W-40 Prem.Synth.

Safety Data Sheet

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

7.2. Conditions for safe storage, including any incompatibilities

Storage temperature : < 50 °C
Storage area : Ensure adequate ventilation of the storage area. Keep container tightly closed and dry.

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

Technical measures:

If suction of the immediate vicinity is impossible or insufficient, adequate airing of the working place must be ensured.

Materials for protective clothing:

Type of chemical protective gloves to choose depends on the concentration and quantity of dangerous substances as well as on work place specifications. Suitable material: nitrile rubber

Hand protection:

Wear suitable gloves

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

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 : > 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
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 : 80 mm²/s @ 40°C
Viscosity, dynamic : No data available
Explosive properties : No data available
Oxidising properties : No data available
Explosive limits : 1 - 6 vol %

4-Stroke Motorcycle Oil 5W-40 Prem.Synth.

Safety Data Sheet

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

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 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 : Not classified

Phosphorodithioic acid, mixed O,O-bis(iso-Bu and pentyl) esters, zinc salts (68457-79-4)

| | |
|---------------|------------|
| LD50 oral rat | 3600 mg/kg |
|---------------|------------|

| | |
|-----------------|-------------|
| LD50 dermal rat | 20000 mg/kg |
|-----------------|-------------|

Zinc bis[O-(-6-methylheptyl)] bis[O-(sec-butyl)]bis(dithiophosphate) (93819-94-4)

| | |
|---------------|------------|
| LD50 oral rat | 2600 mg/kg |
|---------------|------------|

| | |
|-----------------|-----------------------|
| LD50 dermal rat | > 3160 mg/kg OECD 402 |
|-----------------|-----------------------|

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

4-Stroke Motorcycle Oil 5W-40 Prem.Synth.

| | |
|----------------------|------------------------------|
| Viscosity, kinematic | 80 mm ² /s @ 40°C |
|----------------------|------------------------------|

SECTION 12: Ecological information

12.1. Toxicity

Phosphorodithioic acid, mixed O,O-bis(iso-Bu and pentyl) esters, zinc salts (68457-79-4)

| | |
|-------------|--|
| LC50 fish 1 | 4,5 ml/l OECD 203 (Cyprinodon variegatus, 96h) |
|-------------|--|

| | |
|--------------------------------|---------|
| LC50 other aquatic organisms 1 | 21 ml/l |
|--------------------------------|---------|

| | |
|----------------|--|
| EC50 Daphnia 1 | 23 ml/l OECD 202, Daphnia magna , 72h) |
|----------------|--|

Zinc bis[O-(-6-methylheptyl)] bis[O-(sec-butyl)]bis(dithiophosphate) (93819-94-4)

| | |
|-------------|--|
| LC50 fish 1 | 4,5 ml/l OECD 203 (oncorhynchys mykiss, 96h) |
|-------------|--|

| | |
|----------------|---|
| EC50 Daphnia 1 | 5,4 mg/l OECD 202, (Daphnia magna, 72h) |
|----------------|---|

| | |
|--------------------------------|---|
| EC50 other aquatic organisms 1 | 2,1 ml/l OECD 201 (Selenastrum capricornutum , 48h) |
|--------------------------------|---|

12.2. Persistence and degradability

4-Stroke Motorcycle Oil 5W-40 Prem.Synth.

| | |
|-------------------------------|--|
| Persistence and degradability | Not soluble in water, so only minimally biodegradable. |
|-------------------------------|--|

Phosphorodithioic acid, mixed O,O-bis(iso-Bu and pentyl) esters, zinc salts (68457-79-4)

| | |
|----------------|-----------------|
| Biodegradation | 1,5 % OECD 301B |
|----------------|-----------------|

4-Stroke Motorcycle Oil 5W-40 Prem.Synth.

Safety Data Sheet

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

Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)]bis(dithiophosphate) (93819-94-4)

| | |
|----------------|---------------------|
| Biodegradation | 1,5 % OECD 301B 28d |
|----------------|---------------------|

12.3. Bioaccumulative potential

Phosphorodithioic acid, mixed O,O-bis(iso-Bu and pentyl) esters, zinc salts (68457-79-4)

| | |
|---------|------|
| Log Pow | 0,69 |
|---------|------|

Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)]bis(dithiophosphate) (93819-94-4)

| | |
|---------|-----------|
| Log Pow | 0,9 @ 23C |
|---------|-----------|

12.4. Mobility in soil

No additional information 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. |
| 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 |
| 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

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

No additional information available

4-Stroke Motorcycle Oil 5W-40 Prem.Synth.

Safety Data Sheet

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

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. |

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