



# MPM ATF AutomaticTransmission Fluid Ford

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Issue date: 29-11-2019 Revision date: 12-7-2023 Supersedes: 29-11-2019 version: 3.2

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

#### 1.1. Product identifier

Product form : Mixture  
Trade name : MPM ATF AutomaticTransmission Fluid Ford  
Product code : 15000F  
Type of product : Neutral

#### 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 : Lubricants and additives  
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

##### Manufacturer

MPM International Oil Company BV  
Cyclotronweg 1  
2629 HN Delft - Nederland  
T +31 (0)15 2514030  
[info@mpmoil.com](mailto:info@mpmoil.com) - [www.mpmoil.com](http://www.mpmoil.com)

#### 1.4. Emergency telephone number

Emergency number : +31 (0)15 2514030 (08.00 - 17.00 GMT+1)

| Country        | Organisation/Company   | Address                                  | Emergency number   | Comment |
|----------------|--|--|--|---------|
| Ireland        | National Poisons Information Centre<br>Beaumont Hospital   | PO Box 1297<br>Beaumont Road<br>9 Dublin | +353 1 809 2566<br>(Healthcare professionals-<br>24/7)<br>+353 1 809 2166 (public,<br>8am - 10pm, 7/7) |         |
| United Kingdom | Guy's & St Thomas' Poisons Unit<br>Medical Toxicology Unit, Guy's & St<br>Thomas' Hospital Trust | Avonley Road<br>SE14 5ER                 | +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]Mixtures/Substances: SDS EU > 2015: According to Regulation (EU) 2015/830, 2020/878 (REACH Annex II)

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]

Precautionary statements (CLP) : P102 - Keep out of reach of children.  
EUH-statements : EUH210 - Safety data sheet available on request.

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### 2.3. Other hazards

Contains no PBT and/or vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Comments : Highly refined mineral oil, contains <3% (w/w) DMSO extract, according to IP346

| Name  | Product identifier   | %                   | Classification according to Regulation (EC) No. 1272/2008 [CLP]    |
|---|--|---------------------|--|
| Distillates(petroleum), hydrotreated heavy paraffinic                       | CAS-No.: 64742-54-7<br>EC-No.: 265-157-1<br>EC Index-No.: 649-467-00-8<br>REACH-no: 01-2119484627-25 | $\geq 80$           | Asp. Tox. 1, H304  |
| Distillates (petroleum), hydrotreated light naphthenic.                     | CAS-No.: 64742-53-6<br>EC-No.: 265-156-6<br>EC Index-No.: 649-466-00-2<br>REACH-no: 01-2119480375-34 | $\geq 1 - \leq 5$   | Asp. Tox. 1, H304  |
| Zinc (O,O,O',O'-tetrakis(1,3-dimethylbutyl)bis(phosphorodithioate)          | CAS-No.: 2215-35-2<br>EC-No.: 218-679-9<br>REACH-no: 01-2119953275-34                                | $\geq 0,1 - \leq 1$ | Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Aquatic Chronic 2, H411 |
| Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy)derivs., C10-rich | CAS-No.: 398141-87-2<br>EC-No.: 800-172-4<br>REACH-no: 01-2119969520-35                              | $\geq 0,1 - \leq 1$ | Aquatic Chronic 2, H411  |

### Specific concentration limits

| Name   | Product identifier  | Specific concentration limits  |
|--|---|--|
| Zinc (O,O,O',O'-tetrakis(1,3-dimethylbutyl)bis(phosphorodithioate) | CAS-No.: 2215-35-2<br>EC-No.: 218-679-9<br>REACH-no: 01-2119953275-34 | (10 < C ≤ 100) Eye Dam. 1, H318<br>(10 ≤ C < 100) Eye Irrit. 2, H319 |

Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

After inhalation : No special protection required.  
After skin contact : Gently wash with plenty of soap and water.  
After eye contact : In case of eye contact, immediately rinse with clean water for 10-15 minutes.  
After ingestion : Get immediate medical advice/attention. Rinse mouth. Do NOT induce vomiting.

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### 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.  
After ingestion : May be harmful if swallowed and enters airways.

### 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 CO<sub>2</sub>.  
Unsuitable extinguishing media : Do not use a heavy water stream.

### 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. Do not enter fire area without proper protective equipment, including respiratory protection. 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 liquid enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.  
Methods for cleaning up : Clean with the help of detergents. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal.  
Other information : If spilled, may cause the floor to be slippery.

### 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 : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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### 7.2. Conditions for safe storage, including any incompatibilities

Storage temperature : < 40 °C  
Storage area : Store in a closed container. Keep 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

#### 8.1.1. National occupational exposure and biological limit values

No additional information available

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

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

#### 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

No additional information available

#### 8.2.2. Personal protection equipment

##### Personal protective equipment:

Gloves. Safety glasses.

##### Personal protective equipment symbol(s):



##### 8.2.2.1. Eye and face protection

###### Eye protection:

Safety goggles

##### 8.2.2.2. Skin protection

###### Skin and body protection:

Wear suitable protective clothing

###### Hand protection:

Wear suitable gloves resistant to chemical penetration

| Hand protection |   |                   |                |             |          |
|-----------------|---|-------------------|----------------|-------------|----------|
| Type            | Material  | Permeation        | Thickness (mm) | Penetration | Standard |
| Reusable gloves | Nitrile rubber (NBR),<br>Polyvinylchloride (PVC),<br>Neoprene rubber (HNBR) | 6 (> 480 minutes) |                |             |          |

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### 8.2.2.3. Respiratory protection

#### Respiratory protection:

No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation

### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

No additional information available

## SECTION 9: Physical and chemical properties

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

|                                 |   |
|---------------------------------|---|
| Physical state                  | : Liquid.   |
| Colour                          | : Red.  |
| Appearance                      | : Oily.   |
| Odour                           | : Characteristic.   |
| Odour threshold                 | : Not available   |
| Melting point                   | : Not available   |
| Freezing point                  | : Not available   |
| Boiling point                   | : Not available   |
| Flammability                    | : Not available   |
| Explosive properties            | : Product is not explosive.                                   |
| Explosive limits                | : Not available   |
| Lower explosion limit           | : Not available   |
| Upper explosion limit           | : Not available   |
| Flash point                     | : > 110 °C ASTM D 92  |
| Auto-ignition temperature       | : Not available   |
| Decomposition temperature       | : Not available   |
| pH                              | : Not available   |
| Viscosity, kinematic            | : 34,9 mm <sup>2</sup> /s (40°C)                              |
| Solubility                      | : Slightly soluble, the product remains on the water surface. |
| Log Kow                         | : Not available   |
| Vapour pressure                 | : Not available   |
| Vapour pressure at 50°C         | : Not available   |
| Density                         | : 851 kg/m <sup>3</sup> @ 15°C                                |
| Relative density                | : Not available   |
| Relative vapour density at 20°C | : Not available   |
| Particle size                   | : Not applicable  |
| Particle size distribution      | : Not applicable  |
| Particle shape                  | : Not applicable  |
| Particle aspect ratio           | : Not applicable  |
| Particle aggregation state      | : Not applicable  |
| Particle agglomeration state    | : Not applicable  |
| Particle specific surface area  | : Not applicable  |
| Particle dustiness              | : Not applicable  |

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

None under normal conditions.

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### 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

Acids and bases. Oxidizing agent.

### 10.6. Hazardous decomposition products

No additional information available

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

|                             |  |
|-----------------------------|--|
| Acute toxicity (oral)       | : Not classified   |
| Acute toxicity (dermal)     | : Not classified   |
| Acute toxicity (inhalation) | : Not classified   |
| Additional 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. |

#### Distillates (petroleum), hydrotreated light naphthenic. (64742-53-6)

|                 |              |
|-----------------|--------------|
| LD50 oral rat   | > 2000 mg/kg |
| LD50 dermal rat | > 2000 mg/kg |

#### Zinc (O,O,O',O'-tetrakis(1,3-dimethylbutyl)bis(phosphorodithioate) (2215-35-2)

|                |                       |
|----------------|-----------------------|
| LD50 oral rat  | 2230 mg/kg OECD 401   |
| ATE CLP (oral) | 2230 mg/kg bodyweight |

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

#### Distillates (petroleum), hydrotreated light naphthenic. (64742-53-6)

|                                     |                         |
|-------------------------------------|-------------------------|
| LOAEL (oral, rat, 90 days)          | 125 mg/kg bodyweight    |
| NOAEL (dermal, rat/rabbit, 90 days) | > 1000 mg/kg bodyweight |

#### Zinc (O,O,O',O'-tetrakis(1,3-dimethylbutyl)bis(phosphorodithioate) (2215-35-2)

|                            |                               |
|----------------------------|-------------------------------|
| NOAEL (oral, rat, 90 days) | 160 mg/kg bodyweight OECD 422 |
|----------------------------|-------------------------------|

|                   |                  |
|-------------------|------------------|
| Aspiration hazard | : Not classified |
|-------------------|------------------|

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|                      |                                |
|----------------------|--------------------------------|
| Viscosity, kinematic | 34,9 mm <sup>2</sup> /s (40°C) |
|----------------------|--------------------------------|

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### 11.2. Information on other hazards

#### 11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties

: The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

#### 11.2.2. Other information

## 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

#### Distillates (petroleum), hydrotreated light naphthenic. (64742-53-6)

|                |                    |
|----------------|--------------------|
| EC50 Daphnia 1 | > 1000 g/l Daphnia |
|----------------|--------------------|

#### Zinc (O,O,O',O'-tetrakis(1,3-dimethylbutyl)bis(phosphorodithioate) (2215-35-2)

|                        |   |
|------------------------|---|
| LC50 fish 1            | 4,5 mg/l (Oncorhynchus mykiss)          |
| LC50 fish 2            | 46 mg/l (Cyprinodon variegatus)         |
| EC50 Daphnia 1         | 23 mg/l                                 |
| EC50 72h - Algae [1]   | 21 mg/l                                 |
| NOEC (chronic)         | 0,4 mg/l                                |
| NOEC chronic fish      | 1,8 mg/l OECD 203                       |
| NOEC chronic crustacea | 0,8 (0,4 – 0,8) mg/l                    |
| NOEC chronic algae     | 10 mg/l                                 |
| NOEC (acute)           | 1.8 mg/l OECD 203 (Oncorhynchus mykiss) |

#### Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy)derivs., C10-rich (398141-87-2)

|                        |   |
|------------------------|---|
| LC50 fish 1            | 2,4 mg/l Oncorhynchus mykiss            |
| LC50 fish 2            | 3,3 mg/l Cyprinodon variegatus          |
| EC50 Daphnia 1         | 4,6 mg/l Daphnia Magna                  |
| EC50 72h - Algae [1]   | 63 mg/l Selenastrum capricornutum       |
| NOEC chronic fish      | 1 mg/l @4d Oncorhynchus mykiss          |
| NOEC chronic crustacea | 0,63 mg/l 2d Daphnia magna              |
| NOEC chronic algae     | 0,313 mg/l 3d Selenastrum capricornutum |

### 12.2. Persistence and degradability

#### MPM ATF AutomaticTransmission Fluid Ford

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

#### Zinc (O,O,O',O'-tetrakis(1,3-dimethylbutyl)bis(phosphorodithioate) (2215-35-2)

|                               |                            |
|-------------------------------|----------------------------|
| Persistence and degradability | Not readily biodegradable. |
| Biodegradation                | 1,5 % @28d                 |

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| Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy)derivs., C10-rich (398141-87-2) |                                  |
|---|----------------------------------|
| Persistence and degradability   | Not readily biodegradable.       |
| BOD (% of ThOD)   | 9,6 % ThOD Thod 28d OECD TG 301F |

### 12.3. Bioaccumulative potential

| Distillates (petroleum), hydrotreated light naphthenic. (64742-53-6) |     |
|--|-----|
| Log Kow  | > 3 |

| Zinc (O,O,O',O'-tetrakis(1,3-dimethylbutyl)bis(phosphorodithioate) (2215-35-2) |             |
|--|-------------|
| Bioconcentration factor (BCF REACH)  | 2,2 0.1d    |
| Log Kow  | 2,21 (20°C) |

| Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy)derivs., C10-rich (398141-87-2) |                           |
|---|---------------------------|
| Bioconcentration factor (BCF REACH)   | 27,54                     |
| Log Kow   | 4,1                       |
| Bioaccumulative potential   | Bioaccumulation possible. |

### 12.4. Mobility in soil

| Zinc (O,O,O',O'-tetrakis(1,3-dimethylbutyl)bis(phosphorodithioate) (2215-35-2) |                    |
|--|--------------------|
| Soil   | No data available. |

| Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy)derivs., C10-rich (398141-87-2) |                        |
|---|------------------------|
| Soil  | Adsorbs into the soil. |

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties : The product does not contain any substances with endocrine disrupting properties.

### 12.7. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional waste regulation : Disposal must be done according to official regulations.  
Waste disposal recommendations : Remove to an authorized waste treatment plant.  
European List of Waste (LoW, EC 2000/532) : 13 02 05\* - mineral-based non-chlorinated engine, gear and lubricating oils

## SECTION 14: Transport information

In accordance with ADR / IMDG

### 14.1. UN number or ID number

UN-No. : Not applicable  
UN-No. (IMDG) : Not applicable



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### 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. Maritime transport in bulk according to IMO instruments

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 substance(s) listed on REACH Annex XVII (Restriction Conditions)  
Contains no substance(s) listed on the REACH Candidate List  
Contains no substance(s) listed on REACH Annex XIV (Authorisation List)  
Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)  
Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 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 |
| Asp. Tox. 1       | Aspiration hazard, Category 1                                     |
| EUH210            | Safety data sheet available on request.                           |
| Eye Dam. 1        | Serious eye damage/eye irritation, Category 1                     |

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| Full text of H- and EUH-statements |  |
|------------------------------------|--|
| Eye Irrit. 2                       | Serious eye damage/eye 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. |
| Skin Irrit. 2                      | Skin corrosion/irritation, Category 2            |

### 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.