



# ATF Automatic Transmission Fluid M-1375.4

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830  
Issue date: 9-8-2019 Revision date: 26-10-2020 Supersedes: 17-6-2020 version: 8.1

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : ATF Automatic Transmission Fluid M-1375.4  
Product code : 16000ZF6

#### 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](mailto:msds@mpmoil.nl) - [www.mpmoil.nl](http://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<br>Beaumont Hospital   | Beaumont Hospital Beaumont Road<br>9 Dublin | : +353 1 8379964 |         |
| United Kingdom | Guy's & St Thomas' Poisons Unit<br>Medical Toxicology Unit,<br>Guy's & St Thomas' Hospital Trust | Avonley Road<br>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]

Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412

Full text of H statements : see section 16

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

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

CLP Signal word : -  
Hazard statements (CLP) : H412 - Harmful to aquatic life with long lasting effects.  
Precautionary statements (CLP) : P273 - Avoid release to the environment.  
P501 - Dispose of contents and container to an approved waste disposal plant.

#### 2.3. Other hazards

No additional information available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

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### 3.2. Mixtures

| Name   | Product identifier   | %          | Classification according to Regulation (EC) No. 1272/2008 [CLP]  |
|--|--|------------|--|
| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based                       | (CAS-No.) 72623-87-1<br>(EC-No.) 276-738-4<br>(EC Index-No.) 649-483-00-5<br>(REACH-no) 01-2119474889-13 | 35 – 50    | Asp. Tox. 1, H304  |
| Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based Baseoil - unspecified | (CAS-No.) 72623-86-0<br>(EC-No.) 276-737-9<br>(EC Index-No.) 649-482-00-X<br>(REACH-no) 01-2119474878-16 | 1 – 2,49   | Asp. Tox. 1, H304  |
| Isooctadecanoic acid, reaction products with tetraethylenepentamine                        | (CAS-No.) 68784-17-8<br>(EC-No.) 272-225-4<br>(REACH-no) 01-2119960832-33                                | 0,1 – 0,49 | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319  |
| 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                               | 0,1 – 0,49 | Aquatic Chronic 2, H411  |
| Reaction product of alkylthioalcohol and substituted phosphorous compound                  | (EC-No.) 424-820-7<br>(REACH-no) 01-0000017126-75  | 0,1 – 0,24 | Acute Tox. 4 (Dermal), H312<br>Skin Corr. 1B, H314<br>Aquatic Acute 1, H400 (M=10)<br>Aquatic Chronic 1, H410 (M=10) |
| 4,4'-thiodiethylene hydrogen -2-octadecenylsuccinate                                       | (CAS-No.) 93882-40-7<br>(EC-No.) 299-434-3<br>(REACH-no) 01-2120735527-50                                | 0,1 – 0,24 | Eye Irrit. 2, H319<br>Skin Sens. 1, H317<br>Aquatic Chronic 2, H411  |

#### Specific concentration limits:

| Name  | Product identifier                                | Specific concentration limits            |
|---|---|--|
| Reaction product of alkylthioalcohol and substituted phosphorous compound | (EC-No.) 424-820-7<br>(REACH-no) 01-0000017126-75 | ( 0,1 ≤C < 0,24) Aquatic Chronic 1, H410 |

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                    |   |
|--------------------|---|
| General            | : If medical advice is needed, have product container or label at hand.                               |
| After inhalation   | : Not expected to present a significant inhalation hazard under anticipated conditions of normal use. |
| After skin contact | : If necessary seek medical advice. Gently wash with plenty of soap and water.                        |
| After eye contact  | : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.       |
| After ingestion    | : Call a poison center or a doctor if you feel unwell. Rinse mouth.                                   |

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

|                    |  |
|--------------------|--|
| After inhalation   | : May cause respiratory irritation.  |
| After skin contact | : May cause skin irritation / dermatitis. irritation (itching, redness, blistering). |
| After eye contact  | : May cause eye irritation.  |

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

Treat symptomatically. Obtain medical assistance. Keep under medical supervision for at least 48 hours.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

No additional information available

### 5.2. Special hazards arising from the substance or mixture

No additional information available

### 5.3. Advice for firefighters

No additional information available

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

|                  |  |
|------------------|--|
| General measures | : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
|------------------|--|

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### 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

Prevent liquid from entering sewers, watercourses, underground or low areas. 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 : Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Clean with the help of detergents.

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

No additional information available

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

Storage temperature : 0 – 50 °C

Storage area : 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

#### Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (72623-87-1)

|         |   |                      |
|---------|---|----------------------|
| EU      | IOELV TWA (mg/m <sup>3</sup> )          | 5 mg/m <sup>3</sup>  |
| EU      | IOELV STEL (mg/m <sup>3</sup> )         | 10 mg/m <sup>3</sup> |
| Germany | TRGS 910 Acceptable concentration notes |                      |

### 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

#### 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

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



## SECTION 9: Physical and chemical properties

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

Physical state : Liquid

Colour : brown.

Odour : characteristic.

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|  |   |
|--|---|
| 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                                | : > 150 °C ISO 2592   |
| Auto-ignition temperature                  | : No data available   |
| Decomposition temperature                  | : No data available   |
| Flammability (solid, gas)                  | : No data available   |
| Vapour pressure                            | : < 0,001 hPa 20C   |
| Relative vapour density at 20 °C           | : > 1   |
| Relative density                           | : No data available   |
| Density                                    | : 845 g/l 15°C  |
| Solubility                                 | : Slightly soluble, the product remains on the water surface.<br>Water: practically insoluble |
| Log Pow                                    | : No data available   |
| Viscosity, kinematic                       | : 31 mm <sup>2</sup> /s 40°C DIN 51562  |
| 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. If the product is involved in a fire, it can release toxic chlorine gases.

### 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

Protect from sunlight. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

### 10.5. Incompatible materials

Oxidizing agent.

### 10.6. Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, nitrogen oxides (NOx), sulphur compounds.

## 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 |

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

### Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (72623-87-1)

|               |                                  |
|---------------|----------------------------------|
| LD50 oral rat | > 5000 mg/kg bodyweight OECD 401 |
|---------------|----------------------------------|

### Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based Baseoil - unspecified (72623-86-0)

|               |                         |
|---------------|-------------------------|
| LD50 oral rat | > 5000 mg/kg bodyweight |
|---------------|-------------------------|

### Reaction product of alkylthioalcohol and substituted phosphorous compound

|                 |                                     |
|-----------------|-------------------------------------|
| LD50 oral rat   | > 2000 mg/kg 67/548/EEG Annex V, B1 |
| LD50 dermal rat | > 500 mg/kg 67/548/EEG Annex V, B3  |

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|                    |                        |
|--------------------|------------------------|
| LD50 dermal rabbit | > 500 mg/kg bodyweight |
|--------------------|------------------------|

### Isooctadecanoic acid, reaction products with tetraethylenepentamine (68784-17-8)

|                    |              |
|--------------------|--------------|
| LD50 oral rat      | > 5000 mg/kg |
| LD50 dermal rabbit | > 2000 mg/kg |

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

|                    |  |
|--------------------|--|
| LD50 dermal rabbit | 4000 – 8000 mg/kg bodyweight US 16 CFR 1500.3 Federal Hazardous Substances Act |
|--------------------|--|

### 4,4'-thiodiethylene hydrogen -2-octadecenylsuccinate (93882-40-7)

|                                   |                  |
|-----------------------------------|------------------|
| LD50 oral                         | > 10000 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 |

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

|                             |   |
|-----------------------------|---|
| NOAEL (animal/male, F0/P)   | 175 mg/kg bodyweight male rat: OECD 421           |
| NOAEL (animal/female, F0/P) | 175 mg/kg bodyweight Male rat: OECD Guideline 421 |

STOT-single exposure : Not classified

### Isooctadecanoic acid, reaction products with tetraethylenepentamine (68784-17-8)

|                   |                                  |
|-------------------|----------------------------------|
| LOAEL (oral, rat) | > 1000 mg/kg bodyweight OECD 421 |
|-------------------|----------------------------------|

STOT-repeated exposure : Not classified

### Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (72623-87-1)

|                            |                               |
|----------------------------|-------------------------------|
| LOAEL (oral, rat, 90 days) | 125 mg/kg bodyweight OECD 408 |
|----------------------------|-------------------------------|

### Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based Baseoil - unspecified (72623-86-0)

|                            |                      |
|----------------------------|----------------------|
| LOAEL (oral, rat, 90 days) | 125 mg/kg bodyweight |
|----------------------------|----------------------|

### Reaction product of alkylthioalcohol and substituted phosphorous compound

|                            |                     |
|----------------------------|---------------------|
| NOAEL (oral, rat, 90 days) | 50 mg/kg bodyweight |
|----------------------------|---------------------|

### Isooctadecanoic acid, reaction products with tetraethylenepentamine (68784-17-8)

|                            |                                  |
|----------------------------|----------------------------------|
| NOAEL (oral, rat, 90 days) | > 1000 mg/kg bodyweight OECD 407 |
|----------------------------|----------------------------------|

Aspiration hazard : Not classified

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|                      |                                      |
|----------------------|--------------------------------------|
| Viscosity, kinematic | 31 mm <sup>2</sup> /s 40°C DIN 51562 |
|----------------------|--------------------------------------|

## SECTION 12: Ecological information

### 12.1. Toxicity

|   |   |
|---|---|
| General   | : This product contains hazardous components for the environment. |
| Hazardous to the aquatic environment, short-term (acute)  | : Not classified  |
| Hazardous to the aquatic environment, long-term (chronic) | : Harmful to aquatic life with long lasting effects.              |

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### Reaction product of alkylthioalcohol and substituted phosphorous compound

|                    |                               |
|--------------------|-------------------------------|
| LC50 fish 1        | 1,5 mg/l                      |
| EC50 Daphnia 1     | 0,09 mg/l                     |
| EC50 Daphnia 2     | 0,22 21d                      |
| EC50 72h algae (1) | 0,31 mg/l                     |
| LOEC (chronic)     | 0,35 mg/l Daphnia magna @21 d |
| NOEC (chronic)     | 0,14 mg/l                     |
| NOEC chronic algae | 0,13 mg/l                     |

### Isooctadecanoic acid, reaction products with tetraethylenepentamine (68784-17-8)

|                    |   |
|--------------------|---|
| LC50 fish 1        | > 1000 mg/l OECD 203                    |
| EC50 Daphnia 1     | > 1000 mg/l OECD 202                    |
| EC50 96h algae (1) | 44 mg/l Pseudokirchneriella subcapitata |
| EC50 96h algae (2) | 94 mg/l Pseudokirchneriella subcapitata |
| LOEC (chronic)     | 100 mg/l Daphnia magna @21d             |
| NOEC (chronic)     | 32 mg/l Daphnia magna @21d              |

### 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 Cyprinodon variegatus               |
| EC50 Daphnia 1         | 4,6 mg/l Faphnia 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 |

### 4,4'-thiodiethylene hydrogen -2-octadecenylsuccinate (93882-40-7)

|                    |   |
|--------------------|---|
| LC50 fish 1        | > 1000 ml/l 96h Cyprinodon variegatus OECD 203        |
| LC50 fish 2        | > 100 mg/l 96h Oryzias latipes OECD 203               |
| EC50 Daphnia 1     | 9,5 mg/l OECD 202                                     |
| EC50 72h algae (1) | > 100 mg/l Pseudokirchneriella subscapitata- OECD 201 |

## 12.2. Persistence and degradability

### Reaction product of alkylthioalcohol and substituted phosphorous compound

|                               |                                |
|-------------------------------|--------------------------------|
| Persistence and degradability | Not readily biodegradable.     |
| Biodegradation                | 52,9 % @60d OECD 301B - 10mg/l |

### Isooctadecanoic acid, reaction products with tetraethylenepentamine (68784-17-8)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Readily biodegradable. |
|-------------------------------|------------------------|

### 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 |

### 4,4'-thiodiethylene hydrogen -2-octadecenylsuccinate (93882-40-7)

|                               |                            |
|-------------------------------|----------------------------|
| Persistence and degradability | Not readily biodegradable. |
| Biodegradation                | 11 – 14 % OECD 301         |

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### 12.3. Bioaccumulative potential

#### Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (72623-87-1)

|                           |                         |
|---------------------------|-------------------------|
| Log Pow                   | > 6                     |
| Bioaccumulative potential | highly bioaccumulative. |

#### Reaction product of alkylthioalcohol and substituted phosphorous compound

|                           |                            |
|---------------------------|----------------------------|
| Bioaccumulative potential | Bioaccumulative potential. |
|---------------------------|----------------------------|

#### 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           | Expected to bio accumulate. |

#### 4,4'-thiodiethylene hydrogen -2-octadecenylsuccinate (93882-40-7)

|                           |                            |
|---------------------------|----------------------------|
| Bioaccumulative potential | Bioaccumulative potential. |
|---------------------------|----------------------------|

### 12.4. Mobility in soil

#### Reaction product of alkylthioalcohol and substituted phosphorous compound

|         |                        |
|---------|------------------------|
| Log Koc | 0,343 – 5,315          |
| Soil    | Adsorbs into the soil. |

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

|      |                        |
|------|------------------------|
| Soil | Adsorbs into the soil. |
|------|------------------------|

#### 4,4'-thiodiethylene hydrogen -2-octadecenylsuccinate (93882-40-7)

|      |                        |
|------|------------------------|
| Soil | Adsorbs into the soil. |
|------|------------------------|

### 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)      | : Disposal must be done according to official regulations. Comply with local regulations for disposal.  |
| Waste disposal recommendations    | : Remove to an authorized waste treatment plant.  |
| European List of Waste (LoW) code | : 13 02 00 - waste engine, gear and lubricating oils<br>13 02 05* - mineral-based non-chlorinated engine, gear and lubricating oils<br>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           |
|---|----------------|
| <b>14.1. UN number</b>                  |                |
| Not applicable                          | Not applicable |
| <b>14.2. UN proper shipping name</b>    |                |
| Not applicable                          | Not applicable |
| <b>14.3. Transport hazard class(es)</b> |                |
| Not applicable                          | Not applicable |
| <b>14.4. Packing group</b>              |                |
| Not applicable                          | Not applicable |

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### 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

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

### Indication of changes:

| Section | Changed item   | Change   | Comments |
|---------|--|----------|----------|
| 2.1     | Classification according to Regulation (EC) No. 1272/2008 [CLP]            | Added    |          |
| 2.1     | Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD] | Added    |          |
| 2.2     | R-phrases  | Added    |          |
| 2.2     | Hazard statements (CLP)  | Added    |          |
| 2.2     | Precautionary statements (CLP)   | Added    |          |
| 2.2     | EUH-statements   | Removed  |          |
| 2.2     | S-phrases  | Modified |          |
| 2.2     | Extra phrases  | Removed  |          |
| 3       | Composition/information on ingredients                                     | Modified |          |
| 8.2     | Personal protective equipment  | Modified |          |
| 8.2     | Eye protection   | Removed  |          |
| 9.1     | Solubility   | Added    |          |
| 9.1     | Viscosity, kinematic   | Modified |          |
| 9.1     | Odour  | Modified |          |
| 9.1     | Flash point  | Modified |          |
| 9.1     | Density  | Modified |          |



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| Full text of H- and EUH-statements: |   |
|-------------------------------------|---|
| Acute Tox. 4 (Dermal)               | Acute toxicity (dermal), Category 4                               |
| Aquatic Acute 1                     | Hazardous to the aquatic environment — Acute Hazard, Category 1   |
| Aquatic Chronic 1                   | Hazardous to the aquatic environment — Chronic Hazard, Category 1 |
| Aquatic Chronic 2                   | Hazardous to the aquatic environment — Chronic Hazard, Category 2 |
| Aquatic Chronic 3                   | Hazardous to the aquatic environment — Chronic Hazard, Category 3 |
| Asp. Tox. 1                         | Aspiration hazard, Category 1                                     |
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2                     |
| Skin Corr. 1B                       | Skin corrosion/irritation, Category 1, Sub-Category 1B            |
| Skin Irrit. 2                       | Skin corrosion/irritation, Category 2                             |
| Skin Sens. 1                        | Skin sensitisation, Category 1                                    |
| H304                                | May be fatal if swallowed and enters airways.                     |
| H312                                | Harmful in contact with skin.                                     |
| H314                                | Causes severe skin burns and eye damage.                          |
| H315                                | Causes skin irritation.   |
| H317                                | May cause an allergic skin reaction.                              |
| H319                                | Causes serious eye irritation.                                    |
| H400                                | Very toxic to aquatic life.                                       |
| H410                                | Very toxic to aquatic life with long lasting effects.             |
| H411                                | Toxic to aquatic life with long lasting effects.                  |
| H412                                | Harmful 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.*