**SAFETY DATA SHEET**

MF Premium Engine Oil 10W-40

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

#### 1.1. Product identifier

<table>
<thead>
<tr>
<th>Product name</th>
<th>MF Premium Engine Oil 10W-40</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product number</td>
<td>7440-203</td>
</tr>
<tr>
<td>Internal identification</td>
<td>GHS21785</td>
</tr>
</tbody>
</table>

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

<table>
<thead>
<tr>
<th>Identified uses</th>
<th>Engine oil.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Uses advised against</td>
<td>No specific uses advised against are identified.</td>
</tr>
</tbody>
</table>

#### 1.3. Details of the supplier of the safety data sheet

<table>
<thead>
<tr>
<th>Supplier</th>
<th>AGCO Ltd - Massey Ferguson Brand</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Abbey Park</td>
</tr>
<tr>
<td></td>
<td>Stoneleigh</td>
</tr>
<tr>
<td></td>
<td>Kenilworth</td>
</tr>
<tr>
<td></td>
<td>England</td>
</tr>
<tr>
<td></td>
<td>CV8 2TQ</td>
</tr>
<tr>
<td></td>
<td>+44(0)2476694400</td>
</tr>
<tr>
<td></td>
<td>+44(0)24768551226</td>
</tr>
<tr>
<td></td>
<td><a href="mailto:sds@uk.agcocorp.com">sds@uk.agcocorp.com</a></td>
</tr>
</tbody>
</table>

#### 1.4. Emergency telephone number

<table>
<thead>
<tr>
<th>Emergency telephone number</th>
<th></th>
</tr>
</thead>
</table>

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

<table>
<thead>
<tr>
<th>Classification (EC 1272/2008)</th>
<th>Not classified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical hazards</td>
<td>Not Classified</td>
</tr>
<tr>
<td>Health hazards</td>
<td>Not Classified</td>
</tr>
<tr>
<td>Environmental hazards</td>
<td>Aquatic Chronic 3 - H412</td>
</tr>
</tbody>
</table>

| Classification (67/548/EEC or 1999/45/EC) | Not classified                   |

#### 2.2. Label elements

<table>
<thead>
<tr>
<th>Hazard statements</th>
<th>EUH208 Contains Calcium long chain alkaryl sulphonate. May produce an allergic reaction.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>H412 Harmful to aquatic life with long lasting effects.</td>
</tr>
<tr>
<td>Precautionary statements</td>
<td>P273 Avoid release to the environment.</td>
</tr>
<tr>
<td></td>
<td>P501a Dispose of container/contents to a hazardous or special waste collection point.</td>
</tr>
</tbody>
</table>

#### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

### SECTION 3: Composition/information on ingredients

---

1/10
# MF Premium Engine Oil 10W-40

## 3.2. Mixtures

<table>
<thead>
<tr>
<th>Lubricating oil (petroleum) C20-C50, hydrotreated, neutral oil based</th>
<th>30-60%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 72623-87-1</td>
<td></td>
</tr>
<tr>
<td>EC number: 276-738-4</td>
<td></td>
</tr>
<tr>
<td>REACH registration number: 01-2119474889-13-XXXX</td>
<td></td>
</tr>
<tr>
<td><strong>Classification</strong></td>
<td><strong>Classification (67/548/EEC or 1999/45/EC)</strong></td>
</tr>
<tr>
<td>Not Classified</td>
<td>-</td>
</tr>
</tbody>
</table>

## Distillates, hydrotreated heavy paraffinic 30-60%

| CAS number: 64742-54-7                                        |        |
| EC number: 265-157-1                                          |        |
| REACH registration number: 01-2119484627-25-0014              |        |
| **Classification**                                            | **Classification (67/548/EEC or 1999/45/EC)** |
| Not Classified                                                | -      |

<table>
<thead>
<tr>
<th>Polyolefin polyamine succinimide polyol</th>
<th>1-5%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 147880-09-9</td>
<td></td>
</tr>
<tr>
<td><strong>Classification</strong></td>
<td><strong>Classification (67/548/EEC or 1999/45/EC)</strong></td>
</tr>
<tr>
<td>Aquatic Chronic 4 - H413</td>
<td>R53.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Calcium branched chain alkyl phenate sulphide</th>
<th>1-5%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 90480-91-4</td>
<td></td>
</tr>
<tr>
<td>EC number: 291-829-9</td>
<td></td>
</tr>
<tr>
<td>REACH registration number: 01-219524004-56-XXXX</td>
<td></td>
</tr>
<tr>
<td><strong>Classification</strong></td>
<td><strong>Classification (67/548/EEC or 1999/45/EC)</strong></td>
</tr>
<tr>
<td>Aquatic Chronic 4 - H413</td>
<td>R53.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts</th>
<th>1-5%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 68649-42-3</td>
<td></td>
</tr>
<tr>
<td>EC number: 272-028-3</td>
<td></td>
</tr>
<tr>
<td>REACH registration number: 01-219657973-23-XXXX</td>
<td></td>
</tr>
<tr>
<td><strong>Classification</strong></td>
<td><strong>Classification (67/548/EEC or 1999/45/EC)</strong></td>
</tr>
<tr>
<td>Skin Irrit. 2 - H315</td>
<td>Xi;R41. N;R51/53.</td>
</tr>
<tr>
<td>Eye Dam. 1 - H318</td>
<td></td>
</tr>
<tr>
<td>Aquatic Chronic 2 - H411</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Calcium long chain alkaryl sulphonate</th>
<th>&lt;1%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 722503-68-6</td>
<td></td>
</tr>
<tr>
<td>EC number: 682-816-2</td>
<td></td>
</tr>
<tr>
<td><strong>Classification</strong></td>
<td><strong>Classification (67/548/EEC or 1999/45/EC)</strong></td>
</tr>
<tr>
<td>Skin Sens. 1 - H317</td>
<td>R43,R53.</td>
</tr>
<tr>
<td>Aquatic Chronic 4 - H413</td>
<td></td>
</tr>
</tbody>
</table>
**MF Premium Engine Oil 10W-40**

<table>
<thead>
<tr>
<th>Chemical</th>
<th>CAS number</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mineral Oil</td>
<td>—</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>Classification</td>
<td>Not Classified</td>
<td></td>
</tr>
<tr>
<td>Branched alkyphenol and Calcium branched alkyphenol</td>
<td>74499-35-7</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>M factor (Chronic) = 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Classification</td>
<td>Repr. Cat. 3;R60. Xi;R36/38. N;R50/53.</td>
<td></td>
</tr>
<tr>
<td>Propylene Pentamer</td>
<td>15220-87-8</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>Classification</td>
<td>Xn;R65. Xi;R38. N;R51/53.</td>
<td></td>
</tr>
</tbody>
</table>

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

**General information**
Get medical attention if any discomfort continues.

**Inhalation**
If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.

**Ingestion**
Get medical attention if any discomfort continues. Do not induce vomiting.

**Skin contact**
Remove contaminated clothing immediately and wash skin with soap and water.

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

**Inhalation**
Upper respiratory irritation.

**Ingestion**
The product contains mineral oil, which if aspirated into the lungs through vomiting after ingestion, may result in chemical pneumonia.

**Skin contact**
Prolonged contact may cause redness, irritation and dry skin.

**Eye contact**
Irritation of eyes and mucous membranes.

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

**Notes for the doctor**
Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media**
Extinguish with foam, carbon dioxide, dry powder or water fog.
MF Premium Engine Oil 10W-40

Unsuitable extinguishing media
Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards
Heat from fire could result in drums bursting.

Hazardous combustion products
Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m³. Oxides of carbon. Oxides of nitrogen.

5.3. Advice for firefighters

Protective actions during firefighting
Control run-off water by containing and keeping it out of sewers and watercourses.

Special protective equipment for firefighters
Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions
For personal protection, see Section 8. Take care as floors and other surfaces may become slippery. Keep unnecessary and unprotected personnel away from the spillage.

6.2. Environmental precautions

Environmental precautions
The product is insoluble in water and will spread on the water surface. Avoid the spillage or runoff entering drains, sewers or watercourses. Contain spillage with sand, earth or other suitable non-combustible material.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up
In case of spillage on water prevent the spread by use of suitable barrier equipment. Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

6.4. Reference to other sections

Reference to other sections
For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions
Always remove oil with soap and water or skin cleaning agent, never use organic solvents. Do not use oil-contaminated clothing or shoes, and do not put rags moistened with oil into pockets. Avoid spilling, skin and eye contact.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions
Store in tightly-closed, original container in a dry, cool and well-ventilated place.

Storage class
Miscellaneous hazardous material storage.

7.3. Specific end use(s)

Specific end use(s)
The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits
Lubricating oil (petroleum) C20-C50, hydrotreated, neutral oil based
MF Premium Engine Oil 10W-40

Long-term exposure limit (8-hour TWA): ACGIH 5 mg/m³

Distillates, hydrotreated heavy paraffinic
Long-term exposure limit (8-hour TWA): ACGIH 5 mg/m³
Short-term exposure limit (15-minute): ACGIH 10 mg/m³

Mineral Oil
Long-term exposure limit (8-hour TWA): OES 5 mg/m³(c)

Propylene Pentamer
Long-term exposure limit (8-hour TWA): WEL 4 mg/m³
ACGIH = American Conference of Governmental Industrial Hygienists.
WEL = Workplace Exposure Limit

Lubricating oil (petroleum) C20-C50, hydrotreated, neutral oil based (CAS: 72623-87-1)

Ingredient comments
Finnish HTP 5mg/m3 8 hr

8.2. Exposure controls

Protective equipment

Appropriate engineering controls
Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection
Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.

Hand protection
The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material.

Hygiene measures
Use engineering controls to reduce air contamination to permissible exposure level. Wash promptly with soap and water if skin becomes contaminated.

Respiratory protection
No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

Thermal hazards
Not anticipated under normal conditions of use. The product is combustible if heated excessively and an ignition source is applied.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance
Liquid.

Colour
Amber.

Odour
Oil-like.

Odour threshold
Not known.

Melting point
-33°C Pour point

Initial boiling point and range
>320°C @ 101.3 kPa

Flash point
203°C Pensky-Martens closed cup.
MF Premium Engine Oil 10W-40

Evaporation rate Not relevant.
Upper/lower flammability or explosive limits Not known.
Other flammability Product is not flammable but on excessive heating may become combustible.
Relative density 0.872 @ 15.6°C
Solubility(ies) Insoluble in water. Soluble in the following materials: Organic solvents.
Partition coefficient Not determined. log Kow: >7 Typical of mineral oil.
Auto-ignition temperature No specific test data are available.
Decomposition Temperature Not determined.
Viscosity 92.8 cSt @ 40°C
Explosive properties Not considered to be explosive.
Explosive under the influence of a flame Not considered to be explosive.
Oxidising properties The mixture itself has not been tested but none of the ingredient substances meet the criteria for classification as oxidising.

9.2. Other information
Volatile organic compound The product is a complex mixture, the majority of which would not be classed as a VOC. However it cannot be discounted that trace or low levels of VOC’s may be present.

SECTION 10: Stability and reactivity

10.1. Reactivity
Reactivity There are no known reactivity hazards associated with this product.
10.2. Chemical stability
Stability Stable at normal ambient temperatures and when used as recommended.
10.3. Possibility of hazardous reactions
Possibility of hazardous reactions Under normal conditions of storage and use, no hazardous reactions will occur.
10.4. Conditions to avoid
Conditions to avoid Avoid heat, flames and other sources of ignition.
10.5. Incompatible materials
Materials to avoid Strong oxidising agents.
10.6. Hazardous decomposition products

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity - oral
Notes (oral LD₅₀) Based on available data the classification criteria are not met.
Acute toxicity - dermal
MF Premium Engine Oil 10W-40

Notes (dermal LD₅₀)
Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC₅₀)
The product is unlikely to present any significant inhalation hazard at ambient temperatures and under normal conditions of use.

Serious eye damage/irritation
May cause mild, short lasting discomfort to eyes.

Respiratory sensitisation
Repeated exposure to oil mists may cause respiratory damage. There is no evidence that the product can cause respiratory hypersensitivity.

Skin sensitisation
Based on available data the classification criteria are not met.

Carcinogenicity
This product contains mineral oils which are considered to be severely refined and not considered to be carcinogenic under IARC. All of the oils in this product have been demonstrated to contain less than 3% extractables by the IP346 test

Reproductive toxicity

Reproductive toxicity - fertility
No data available to suggest the product will cause reproductive toxicity.

Specific target organ toxicity - single exposure

STOT - single exposure
Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure
Based on available data the classification criteria are not met.

Aspiration hazard
Although not classified, the product contains mineral oil. If aspirated into the lungs e.g. through vomiting after ingestion, admit to hospital immediately.

General information
This product has low toxicity. Only large quantities are likely to have adverse effects on human health.

Inhalation
Unlikely to be hazardous by inhalation because of the low vapour pressure of the product at ambient temperature.

Ingestion
No harmful effects expected from quantities likely to be ingested by accident.

Skin contact
Skin irritation should not occur when used as recommended. Repeated exposure may cause skin dryness or cracking.

Eye contact
May cause temporary eye irritation.

Acute and chronic health hazards
Prolonged or repeated contact with used oil may cause serious skin diseases, such as dermatitis and skin cancer.
**MF Premium Engine Oil 10W-40**

### SECTION 12: Ecological information

**Ecotoxicity**
Toxic to aquatic organisms. May cause long-term adverse effects on the environment.

12.1. Toxicity

12.2. Persistence and degradability

**Stability (hydrolysis)**
The product is based on highly refined mineral oils that are considered stable to hydrolysis.

**Biodegradation**
Not readily biodegradable.

**Biological oxygen demand**
Not determined.

**Chemical oxygen demand**
Not determined.

12.3. Bioaccumulative potential

**Bioaccumulative potential**
Bioaccumulation is unlikely to be significant because of the low water-solubility of this product.

**Partition coefficient**
Not determined. log Kow >7 Typical of mineral oil.

12.4. Mobility in soil

**Mobility**
The product is non-volatile. The product is insoluble in water and will spread on the water surface.

**Henry's law constant**
Not determined.

12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment**
This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

**Other adverse effects**
None known.

### SECTION 13: Disposal considerations

13.1. Waste treatment methods

**Disposal methods**
Dispose of waste via a licensed waste disposal contractor.

**Waste class**
European waste catalogue (EWC) number = 13 02 08* (other engine, gear and lubricating oil)

### SECTION 14: Transport information

**General**
The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards
MF Premium Engine Oil 10W-40

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user
Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations
Health and Safety at Work etc. Act 1974 (as amended).
Control of Substances Hazardous to Health Regulations 2002 (as amended).
The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].
EH40/2005 Workplace exposure limits.

EU legislation

Guidance
Workplace Exposure Limits EH40.
Safety Data Sheets for Substances and Preparations.

15.2. Chemical safety assessment
No chemical safety assessment has been carried out.

Inventories
Canada - DSL/NDSL
All the ingredients are listed or exempt.

US - TSCA
All the ingredients are listed or exempt.

Australia - AICS
All the ingredients are listed or exempt.

Korea - KECI
All the ingredients are listed or exempt.

China - IECSC
All the ingredients are listed or exempt.

Philippines – PICCS
All the ingredients are listed or exempt.

New Zealand - NZIOC
All the ingredients are listed or exempt.

SECTION 16: Other information

9/10
MF Premium Engine Oil 10W-40

Abbreviations and acronyms used in the safety data sheet

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS: Chemical Abstracts Service.
DNEL: Derived No Effect Level.
GHS: Globally Harmonized System.
IATA: International Air Transport Association.
IMDG: International Maritime Dangerous Goods.
vPvB: Very Persistent and Very Bioaccumulative.

Revision comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

Issued by Regulatory Affairs

Revision date 14/02/2019
Revision 2
Supersedes date 12/01/2017
SDS number 21785

Hazard statements in full

H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H360F May damage fertility if swallowed.
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.
H413 May cause long lasting harmful effects to aquatic life.
EUH208 Contains Calcium long chain alkaryl sulphonate. May produce an allergic reaction.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.