



## Safety Data Sheet

according to UK REACH Regulation

### JMC MU 5W-30 extra engine oil 1 ltr.

Revision date: 31.03.2022

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

### 1.1. Product identifier

JMC MU 5W-30 extra engine oil 1 ltr.

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

#### Use of the substance/mixture

Engine oil; 60-80% HC oil

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

#### Manufacturer

Company name: Johannes J. Matthies GmbH & Co. KG  
Street: Hammerbrookstr. 97  
Place: D-20097 Hamburg  
Telephone: + 49 (0) 40 2 37 21-0  
e-mail: info@matthies.de  
Internet: www.matthies.de

#### Supplier

Company name: Larsson UK Ltd.  
Street: 7 Alpha Court, Phoenix Parkway  
Place: GB-NN17 5DP Corby  
Telephone: + 44 1536 265633  
e-mail: info@larsson.uk.com  
Internet: www.larsson.uk.com

### 1.4. Emergency telephone number:

+ 44 1536 265633

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### GB CLP Regulation

This mixture is not classified as hazardous in accordance with GB CLP Regulation.

### 2.2. Label elements

#### Additional advice on labelling

Labelling according to Regulation (EC) No. 1272/2008 [CLP]: none

### 2.3. Other hazards

No information available.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

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**Hazardous components**

| CAS No      | Chemical name                                                                           |              |                  | Quantity    |
|-------------|-----------------------------------------------------------------------------------------|--------------|------------------|-------------|
|             | EC No                                                                                   | Index No     | REACH No         |             |
|             | GHS Classification                                                                      |              |                  |             |
| 64742-54-7  | Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified           |              |                  | 15 - < 30 % |
|             | 265-157-1                                                                               | 649-467-00-8 | 01-2119484627-25 |             |
|             | Asp. Tox. 1; H304                                                                       |              |                  |             |
|             | mineral oil                                                                             |              |                  | 2,5 - < 5 % |
|             |                                                                                         |              |                  |             |
|             | Asp. Tox. 1; H304                                                                       |              |                  |             |
| 125643-61-0 | reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate |              |                  | 1 - < 2,5 % |
|             | 406-040-9                                                                               | 607-530-00-7 | 01-0000015551-76 |             |
|             | Aquatic Chronic 4; H413                                                                 |              |                  |             |

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

**Specific Conc. Limits, M-factors and ATE**

| CAS No     | EC No                                                                                            | Chemical name                                                                 | Quantity    |
|------------|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-------------|
|            | Specific Conc. Limits, M-factors and ATE                                                         |                                                                               |             |
| 64742-54-7 | 265-157-1                                                                                        | Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified | 15 - < 30 % |
|            | inhalation: LC50 = > 5000 mg/l (vapours); dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 2000 mg/kg |                                                                               |             |

**SECTION 4: First aid measures****4.1. Description of first aid measures****After inhalation**

Provide fresh air.

**After contact with skin**

Wash with plenty of water. Take off contaminated clothing and wash it before reuse.

**After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water.

**After ingestion**

Rinse mouth immediately and drink plenty of water.

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

No information available.

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

Treat symptomatically.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings.

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

Non-flammable.

**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

**Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

**SECTION 6: Accidental release measures**

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**6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Use personal protection equipment.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

**6.3. Methods and material for containment and cleaning up****For cleaning up**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

**6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

No special measures are necessary.

**Advice on protection against fire and explosion**

No special measures are necessary.

**Further information on handling**

Apply skin protection cream for preventive skin protection. Keep away from food, drink and animal feedingstuffs. Do not breathe vapour.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep container tightly closed.

**Hints on joint storage**

No special measures are necessary.

**7.3. Specific end use(s)**

Engine oil; 60-80% HC oil

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****8.2. Exposure controls****Protective and hygiene measures**

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff. When using do not eat, drink or smoke.

**Eye/face protection**

In fine dispersion/spraying/misting: Wear eye/face protection.

**Hand protection**

Wear suitable gloves.

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

**Skin protection**

Use of protective clothing

In fine dispersion/spraying/misting: Wear protective gloves/protective clothing.

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**Respiratory protection**

In case of inadequate ventilation wear respiratory protection. Wear breathing apparatus if exposed to vapours/dusts/aerosols.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

|                  |                |
|------------------|----------------|
| Physical state:  | Liquid         |
| Colour:          | brown          |
| Odour:           | characteristic |
| Odour threshold: | not determined |

**Test method**

|           |                |           |
|-----------|----------------|-----------|
| pH-Value: | not applicable | DIN 51369 |
|-----------|----------------|-----------|

**Changes in the physical state**

|                               |                |
|-------------------------------|----------------|
| Melting point/freezing point: | not determined |
|-------------------------------|----------------|

|                                                           |                |
|-----------------------------------------------------------|----------------|
| Boiling point or initial boiling point and boiling range: | not determined |
|-----------------------------------------------------------|----------------|

|             |         |          |
|-------------|---------|----------|
| Pour point: | ~-36 °C | ISO 3016 |
|-------------|---------|----------|

|              |         |          |
|--------------|---------|----------|
| Flash point: | >210 °C | ISO 2592 |
|--------------|---------|----------|

**Flammability**

|               |                |
|---------------|----------------|
| Solid/liquid: | not applicable |
|---------------|----------------|

|      |                |
|------|----------------|
| Gas: | not applicable |
|------|----------------|

|                         |                |
|-------------------------|----------------|
| Lower explosion limits: | not determined |
|-------------------------|----------------|

|                         |                |
|-------------------------|----------------|
| Upper explosion limits: | not determined |
|-------------------------|----------------|

|                            |                   |
|----------------------------|-------------------|
| Auto-ignition temperature: | No data available |
|----------------------------|-------------------|

**Self-ignition temperature**

|        |                |
|--------|----------------|
| Solid: | not applicable |
|--------|----------------|

|      |                |
|------|----------------|
| Gas: | not applicable |
|------|----------------|

|                            |                |
|----------------------------|----------------|
| Decomposition temperature: | not determined |
|----------------------------|----------------|

|                                |           |             |
|--------------------------------|-----------|-------------|
| Vapour pressure:<br>(at 20 °C) | < 0,1 hPa | calculated. |
|--------------------------------|-----------|-------------|

|                     |               |           |
|---------------------|---------------|-----------|
| Density (at 15 °C): | ~ 0,853 g/cm³ | DIN 51757 |
|---------------------|---------------|-----------|

|                                 |                       |
|---------------------------------|-----------------------|
| Water solubility:<br>(at 20 °C) | practically insoluble |
|---------------------------------|-----------------------|

**Solubility in other solvents**

not determined

|                                        |                |
|----------------------------------------|----------------|
| Partition coefficient n-octanol/water: | not determined |
|----------------------------------------|----------------|

|                                       |              |           |
|---------------------------------------|--------------|-----------|
| Viscosity / kinematic:<br>(at 100 °C) | ~ 12,5 mm²/s | DIN 51562 |
|---------------------------------------|--------------|-----------|

|                          |                |
|--------------------------|----------------|
| Relative vapour density: | not determined |
|--------------------------|----------------|

|                   |                |
|-------------------|----------------|
| Evaporation rate: | not determined |
|-------------------|----------------|

|                          |                   |
|--------------------------|-------------------|
| Solvent separation test: | No data available |
|--------------------------|-------------------|

|                  |      |
|------------------|------|
| Solvent content: | none |
|------------------|------|

**9.2. Other information**

|                |   |
|----------------|---|
| Solid content: | 0 |
|----------------|---|

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No hazardous reaction when handled and stored according to provisions.

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**10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

**10.3. Possibility of hazardous reactions**

No known hazardous reactions.

**10.4. Conditions to avoid**

none

**10.5. Incompatible materials**

No information available.

**10.6. Hazardous decomposition products**

No known hazardous decomposition products.

**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in GB CLP Regulation****Acute toxicity**

Based on available data, the classification criteria are not met.

| CAS No     | Chemical name                                                                 |                   |         |              |          |
|------------|-------------------------------------------------------------------------------|-------------------|---------|--------------|----------|
|            | Exposure route                                                                | Dose              | Species | Source       | Method   |
| 64742-54-7 | Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified |                   |         |              |          |
|            | oral                                                                          | LD50 > 2000 mg/kg | Rat     | Manufacturer | OECD 401 |
|            | dermal                                                                        | LD50 > 2000 mg/kg | Rabbit  | Manufacturer | OECD 402 |
|            | inhalation (4 h) vapour                                                       | LC50 > 5000 mg/l  | Rat     | Manufacturer | OECD 403 |

**Irritation and corrosivity**

Based on available data, the classification criteria are not met.

**Sensitising effects**

Based on available data, the classification criteria are not met.

**Carcinogenic/mutagenic/toxic effects for reproduction**

Based on available data, the classification criteria are not met.

**STOT-single exposure**

Based on available data, the classification criteria are not met.

**STOT-repeated exposure**

Based on available data, the classification criteria are not met.

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**11.2. Information on other hazards****Other information**

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

**SECTION 12: Ecological information****12.1. Toxicity**

The product is not: Ecotoxic

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| CAS No     | Chemical name                                                                 |                  |           |         |              |          |
|------------|-------------------------------------------------------------------------------|------------------|-----------|---------|--------------|----------|
|            | Aquatic toxicity                                                              | Dose             | [h]   [d] | Species | Source       | Method   |
| 64742-54-7 | Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified |                  |           |         |              |          |
|            | Acute fish toxicity                                                           | LC50 > 1000 mg/l | 96 h      | Piscis  | Manufacturer | OECD 203 |
|            | Acute algae toxicity                                                          | ErC50 > 100 mg/l | 72 h      | Algae   | Manufacturer | OECD 201 |
|            | Acute crustacea toxicity                                                      | EC50 > 100 mg/l  | 48 h      | Daphnia | Manufacturer | OECD 202 |

**12.2. Persistence and degradability**

The product has not been tested.

**12.3. Bioaccumulative potential**

The product has not been tested.

**Partition coefficient n-octanol/water**

| CAS No     | Chemical name                                                                 | Log Pow |
|------------|-------------------------------------------------------------------------------|---------|
| 64742-54-7 | Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified | > 4     |

**12.4. Mobility in soil**

The product has not been tested.

**12.5. Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

**12.6. Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

**12.7. Other adverse effects**

No information available.

**Further information**

Avoid release to the environment.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations**

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

**List of Wastes Code - residues/unused products**

130205 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); waste engine, gear and lubricating oils; mineral-based non-chlorinated engine, gear and lubricating oils; hazardous waste

**List of Wastes Code - used product**

130205 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); waste engine, gear and lubricating oils; mineral-based non-chlorinated engine, gear and lubricating oils; hazardous waste

**List of Wastes Code - contaminated packaging**

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

**Contaminated packaging**

Wash with plenty of water. Completely emptied packages can be recycled.

**SECTION 14: Transport information**

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**Land transport (ADR/RID)**

|                                                 |                                                          |
|-------------------------------------------------|----------------------------------------------------------|
| <b><u>14.1. UN number:</u></b>                  | No dangerous good in sense of this transport regulation. |
| <b><u>14.2. UN proper shipping name:</u></b>    | No dangerous good in sense of this transport regulation. |
| <b><u>14.3. Transport hazard class(es):</u></b> | No dangerous good in sense of this transport regulation. |
| <b><u>14.4. Packing group:</u></b>              | No dangerous good in sense of this transport regulation. |

**Inland waterways transport (ADN)**

|                                                 |                                                          |
|-------------------------------------------------|----------------------------------------------------------|
| <b><u>14.1. UN number:</u></b>                  | No dangerous good in sense of this transport regulation. |
| <b><u>14.2. UN proper shipping name:</u></b>    | No dangerous good in sense of this transport regulation. |
| <b><u>14.3. Transport hazard class(es):</u></b> | No dangerous good in sense of this transport regulation. |
| <b><u>14.4. Packing group:</u></b>              | No dangerous good in sense of this transport regulation. |

**Marine transport (IMDG)**

|                                                 |                                                          |
|-------------------------------------------------|----------------------------------------------------------|
| <b><u>14.1. UN number:</u></b>                  | No dangerous good in sense of this transport regulation. |
| <b><u>14.2. UN proper shipping name:</u></b>    | No dangerous good in sense of this transport regulation. |
| <b><u>14.3. Transport hazard class(es):</u></b> | No dangerous good in sense of this transport regulation. |
| <b><u>14.4. Packing group:</u></b>              | No dangerous good in sense of this transport regulation. |

**Air transport (ICAO-TI/IATA-DGR)**

|                                                 |                                                          |
|-------------------------------------------------|----------------------------------------------------------|
| <b><u>14.1. UN number:</u></b>                  | No dangerous good in sense of this transport regulation. |
| <b><u>14.2. UN proper shipping name:</u></b>    | No dangerous good in sense of this transport regulation. |
| <b><u>14.3. Transport hazard class(es):</u></b> | No dangerous good in sense of this transport regulation. |
| <b><u>14.4. Packing group:</u></b>              | No dangerous good in sense of this transport regulation. |

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**14.6. Special precautions for user**

No dangerous good in sense of these transport regulations.

**14.7. Maritime transport in bulk according to IMO instruments**

No dangerous good in sense of these transport regulations.

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 28

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

**National regulatory information**

Water hazard class (D): 1 - slightly hazardous to water

**Additional information**

According to EC directives or the corresponding national regulations the product does not have to be labelled.

**15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

**SECTION 16: Other information****Abbreviations and acronyms**ADR: Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

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EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service  
LC50: Lethal concentration, 50%  
LD50: Lethal dose, 50%  
CLP: Classification, labelling and Packaging  
REACH: Registration, Evaluation and Authorization of Chemicals  
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals  
UN: United Nations  
DNEL: Derived No Effect Level  
DMEL: Derived Minimal Effect Level  
PNEC: Predicted No Effect Concentration  
ATE: Acute toxicity estimate  
LL50: Lethal loading, 50%  
EL50: Effect loading, 50%  
EC50: Effective Concentration 50%  
ErC50: Effective Concentration 50%, growth rate  
NOEC: No Observed Effect Concentration  
BCF: Bio-concentration factor  
PBT: persistent, bioaccumulative, toxic  
vPvB: very persistent, very bioaccumulative  
RID: Regulations concerning the international carriage of dangerous goods by rail  
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)  
EmS: Emergency Schedules  
MFAG: Medical First Aid Guide  
ICAO: International Civil Aviation Organization  
MARPOL: International Convention for the Prevention of Marine Pollution from Ships  
IBC: Intermediate Bulk Container  
SVHC: Substance of Very High Concern  
Abkürzungen und Akronyme siehe Verzeichnis unter <http://abk.esdscom.eu>

**Relevant H and EUH statements (number and full text)**

|      |                                                         |
|------|---------------------------------------------------------|
| H304 | May be fatal if swallowed and enters airways.           |
| H413 | May cause long lasting harmful effects to aquatic life. |

**Further Information**

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*