

## Safety Data Sheet

according to UK REACH Regulation

### JMC Motorenöl Extra 5W30 MU

Revision date: 22.03.2023

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

### 1.1. Product identifier

JMC Motorenöl Extra 5W30 MU

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

### 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

#### GB CLP Regulation

#### Special labelling of certain mixtures

EUH208 Contains Alkyl phenol, longchained. May produce an allergic reaction.  
EUH210 Safety data sheet available on request.

### 2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.  
Do not allow uncontrolled discharge of product into the environment.  
Endocrine disrupting potential < 0,1 %

## 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	Mineral oil			20 - < 50 %
	265-157-1	649-467-00-8	01-2119484627-25	
	Asp. Tox. 1; H304			
72623-86-0	Base oil, low viscosity			1 - < 10 %
	276-737-9	649-482-00-X	01-2119474878-16	
	Asp. Tox. 1; H304			
64742-70-7	Baseoil			1 - < 10 %
	265-174-4	649-477-00-2	01-2119487080-42	
	Asp. Tox. 1; H304			
72623-87-1	low viscosity mineral oil			1 - < 10 %
	276-738-4	649-483-00-5	01-2119474889-13	
	Asp. Tox. 1; H304			
64742-65-0	Base oil, low viscosity			1 - < 10 %
	265-169-7	649-474-00-6	01-2119471299-27	
	Asp. Tox. 1; H304			
64742-56-9	Base oil, low viscosity			1 - < 10 %
	265-159-2	649-469-00-9	01-2119480132-48	
	Asp. Tox. 1; H304			
1190625-94-5	Alkyl phenol, longchained			0,1 - < 1 %
	931-468-2		01-2119498288-19	
	Skin Sens. 1B, Aquatic Chronic 4; H317 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	Mineral oil	20 - < 50 %
		dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 5000 mg/kg	
72623-86-0	276-737-9	Base oil, low viscosity	1 - < 10 %
		inhalation: LC50 = > 5,53 mg/l (dusts or mists); dermal: LD50 = > 5001 mg/kg; oral: LD50 = > 5001 mg/kg	
72623-87-1	276-738-4	low viscosity mineral oil	1 - < 10 %
		oral: LD50 = > 5000 mg/kg	
64742-65-0	265-169-7	Base oil, low viscosity	1 - < 10 %
		inhalation: LC50 = > 5 mg/l (dusts or mists); oral: LD50 = > 5001 mg/kg	
64742-56-9	265-159-2	Base oil, low viscosity	1 - < 10 %
		inhalation: LC50 = > 5,01 mg/l (dusts or mists); oral: LD50 = > 5000 mg/kg	

**Further Information**

Hydrocarbons:

Dimethylsulfoxide (DMSO) &lt; 3 % (Regulation (EC) No. 1272/2008 [CLP] - Note L)

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

When in doubt or if symptoms are observed, get medical advice.

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**After inhalation**

Provide fresh air. If experiencing respiratory symptoms: Call a doctor.

**After contact with skin**

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

**After contact with eyes**

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing.

**After ingestion**

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting.

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

Following skin contact: slightly irritant but not relevant for classification.

After eye contact: slightly irritant but not relevant for classification.

**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**

Carbon dioxide (CO<sub>2</sub>). Dry extinguishing powder. Water spray jet.

In case of major fire and large quantities: alcohol resistant foam. Water spray jet

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

**Unsuitable extinguishing media**

Full water jet.

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

In case of fire may be liberated: Pyrolysis products, toxic

**5.3. Advice for firefighters**

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

**Additional information**

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Special danger of slipping by leaking/spilling product.

**For non-emergency personnel**

Use personal protection equipment.

**For emergency responders**

Wear personal protection equipment (refer to section 8).

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Clear spills immediately. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

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

Stop leak if safe to do so.

**For cleaning up**

Take up mechanically. 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.

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### **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**

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Avoid: generation/formation of aerosols.

#### **Advice on protection against fire and explosion**

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

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

#### **Requirements for storage rooms and vessels**

Store in a well-ventilated place. Keep container tightly closed. Provide for retaining containers, e.g. floor pan without outflow.

#### **Hints on joint storage**

Do not store together with: Oxidizing agent, Strong acid, alkalines.

#### **Further information on storage conditions**

Keep away from sources of ignition - No smoking.

Protect from direct sunlight.

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

Lubricating agent

## **SECTION 8: Exposure controls/personal protection**

### **8.1. Control parameters**

### **8.2. Exposure controls**

#### **Appropriate engineering controls**

Provide adequate ventilation as well as local exhaust at critical locations.

#### **Protective and hygiene measures**

Take off contaminated clothing. Avoid contact with skin, eyes and clothes. Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff. Do not put any product-impregnated cleaning rags into your trouser pockets.

#### **Eye/face protection**

Eye glasses with side protection (DIN EN 166)

#### **Hand protection**

Wear suitable gloves. (EN ISO 374)

Suitable material: NBR (Nitrile rubber)

Breakthrough time: >= 480 min

Thickness of the glove material: >= 0,38 mm

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**

Wear suitable protective clothing.

#### **Respiratory protection**

Usually no personal respiratory protection necessary.

In case of inadequate ventilation wear respiratory protection.

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**Environmental exposure controls**

Avoid release to the environment.

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

Physical state:	Liquid	
Colour:	yellow	
Odour:	characteristic	
Odour threshold:	not determined	
pH-Value:		not applicable

**Changes in the physical state**

Melting point/freezing point:		not determined
Boiling point or initial boiling point and boiling range:		not determined
Flash point:		234 °C

**Flammability**

Solid/liquid:		not determined
Lower explosion limits:		not determined
Upper explosion limits:		not determined
Auto-ignition temperature:		not determined
Decomposition temperature:		not determined
Vapour pressure:		not determined
Density (at 15 °C):		0,85 g/cm <sup>3</sup>
Water solubility:		practically insoluble
<b>Solubility in other solvents</b>		
not determined		
Partition coefficient n-octanol/water:		not applicable
Viscosity / kinematic: (at 40 °C)		60,41 mm <sup>2</sup> /s
Relative vapour density:		not determined

**9.2. Other information**

No information available.

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

No hazardous reaction when handled and stored according to provisions.

**10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

**10.3. Possibility of hazardous reactions**

No hazardous reaction when handled and stored according to provisions.

**10.4. Conditions to avoid**

Heat.

**10.5. Incompatible materials**

Oxidizing agent, Strong acid, alkalines.

**10.6. Hazardous decomposition products**

In case of fire may be liberated: Pyrolysis products, toxic

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**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	Mineral oil				
	oral	LD50 > 5000 mg/kg	Rat	Manufacturer	
	dermal	LD50 > 5000 mg/kg	Rabbit	Manufacturer	
72623-86-0	Base oil, low viscosity				
	oral	LD50 > 5001 mg/kg	Rat	Manufacturer	OECD 401
	dermal	LD50 > 5001 mg/kg	Rabbit	Manufacturer	OECD 402
	inhalation (4 h) dust/mist	LC50 > 5,53 mg/l	Rat	Manufacturer	
72623-87-1	low viscosity mineral oil				
	oral	LD50 > 5000 mg/kg	Rat	Manufacturer	OECD 401
64742-65-0	Base oil, low viscosity				
	oral	LD50 > 5001 mg/kg	Rat	Manufacturer	OECD 423
	inhalation (4 h) dust/mist	LC50 > 5 mg/l	Rat	Manufacturer	OECD 403
64742-56-9	Base oil, low viscosity				
	oral	LD50 > 5000 mg/kg	Rat	Manufacturer	
	inhalation (4 h) dust/mist	LC50 > 5,01 mg/l	Rat	Manufacturer	

**Irritation and corrosivity**

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

Base oil, low viscosity: non-irritant. OECD 404, OECD 405

**Sensitising effects**

Contains Alkyl phenol, longchained. May produce an allergic reaction.

**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****Endocrine disrupting properties**

No information available.

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

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The product is not: Ecotoxic.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
64742-54-7	Mineral oil					
	Acute fish toxicity	LC50 > 100 mg/l	96 h	Piscis	Manufacturer	
	Acute algae toxicity	ErC50 > 100 mg/l	72 h	Algae	Manufacturer	OECD 201
	Acute crustacea toxicity	EC50 > 100 mg/l	48 h	Daphnia	Manufacturer	
	Crustacea toxicity	NOEC 10 mg/l	21 d	Daphnia magna (Big water flea)	Manufacturer	OECD 211
72623-86-0	Base oil, low viscosity					
	Acute fish toxicity	LC50 > 100 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 > 10000 mg/l	48 h	Daphnia	Manufacturer	OECD 202
	Crustacea toxicity	NOEC 10 mg/l	21 d	Daphnia	Manufacturer	OECD 211
72623-87-1	low viscosity mineral oil					
	Acute algae toxicity	ErC50 > 100 mg/l	72 h	Algae	Manufacturer	OECD 201
	Acute crustacea toxicity	EC50 > 10000 mg/l	48 h	Daphnia	Manufacturer	OECD 202
	Fish toxicity	NOEC > 1000 mg/l	14 d	Piscis	Manufacturer	
	Crustacea toxicity	NOEC 10 mg/l	21 d	Daphnia magna (Big water flea)	Manufacturer	OECD 211
64742-65-0	Base oil, low viscosity					
	Acute fish toxicity	LC50 > 101 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	Manufacturer	OECD 203
	Acute algae toxicity	ErC50 > 101 mg/l	72 h	Algae	Manufacturer	OECD 201
	Acute crustacea toxicity	EC50 > 10000 mg/l	48 h	Daphnia pulex (water flea)	Manufacturer	
	Crustacea toxicity	NOEC 10 mg/l	21 d	Daphnia	Manufacturer	OECD 211
64742-56-9	Base oil, low viscosity					
	Acute fish toxicity	LC50 > 101 mg/l	96 h	Piscis	Manufacturer	
	Acute algae toxicity	ErC50 > 100 mg/l	72 h	Algae	Manufacturer	
	Crustacea toxicity	NOEC > 10 mg/l	21 d	Daphnia magna (Big water flea)	Manufacturer	

**12.2. Persistence and degradability**

The substance is not soluble in water.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
72623-86-0	Base oil, low viscosity			
	OECD 301F	31 %	28	Manufacturer
	Not readily biodegradable (according to OECD criteria)			

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**12.3. Bioaccumulative potential**

The product has not been tested.

**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
72623-87-1	low viscosity mineral oil	> 6
64742-65-0	Base oil, low viscosity	> 3

**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

**Contaminated packaging**

Handle contaminated packages in the same way as the substance itself.

**SECTION 14: Transport information****Land transport (ADR/RID)**

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

**Inland waterways transport (ADN)**

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

**Marine transport (IMDG)**

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

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<b>14.4. Packing group:</b>	No dangerous good in sense of this transport regulation.
<b>Air transport (ICAO-TI/IATA-DGR)</b>	
<b>14.1. UN number:</b>	No dangerous good in sense of this transport regulation.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of this transport regulation.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of this transport regulation.
<b>14.4. Packing group:</b>	No dangerous good in sense of this transport regulation.
<b>14.5. Environmental hazards</b>	
ENVIRONMENTALLY HAZARDOUS:	No
<b>14.6. Special precautions for user</b>	
No information available.	
<b>14.7. Maritime transport in bulk according to IMO instruments</b>	
not applicable	

**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 28, Entry 75

Information according to 2012/18/EU (SEVESO III):

Not subject to 2012/18/EU (SEVESO III)

**National regulatory information**

Employment restrictions:

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D):

1 - slightly hazardous to water

**15.2. Chemical safety assessment**

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

**SECTION 16: Other information****Abbreviations and acronyms**

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

CAS: Chemical Abstracts Service

DNEL: Derived No Effect Level

DMEL: Derived Minimal Effect Level

PNEC: Predicted No Effect Concentration

ATE: Acute toxicity estimate

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

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

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Regulations concerning the international carriage of dangerous goods by rail

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

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(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)

IMDG: International Maritime Code for Dangerous Goods

EmS: Emergency Schedules

MFAG: Medical First Aid Guide

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

MARPOL: International Convention for the Prevention of Marine Pollution from Ships

IBC: Intermediate Bulk Container

VOC: Volatile Organic Compounds

SVHC: Substance of Very High Concern

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

H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H413	May cause long lasting harmful effects to aquatic life.
EUH208	Contains Alkyl phenol, longchained. May produce an allergic reaction.
EUH210	Safety data sheet available on request.

**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.)*