

## Safety Data Sheet

according to UK REACH Regulation

### JMC Motorenöl Extra 0W20 MU

Revision date: 21.03.2023

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

### 1.1. Product identifier

JMC Motorenöl Extra 0W20 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 Calcium alkyl salicylate, long chain, calcium sulfonate (polymer). 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	Baseoil paraffinic			50 - < 100 %
	265-157-1	649-467-00-8	01-2119484627-25	
	Asp. Tox. 1; H304			
36878-20-3	Alkarylamine, long chain			1 - < 5 %
	253-249-4		01-2119488911-28	
	Aquatic Chronic 4; H413			
	Polyolefin polyamine succinimide, borated			1 - < 5 %
	Aquatic Chronic 4; H413			
	AMINES, POLYETHYLENEPOLY-, REACTION PRODUCTS WITH 1,3-DIOXOLAN-2-ONE AND SUCCINIC ANHYDRIDE MONOPOLYISOBUTENYL DERIVS.			1 - < 5 %
	Aquatic Chronic 4; H413			
	calcium sulfonate (polymer)			0,1 < 1 %
	Skin Sens. 1B, Aquatic Chronic 4; H317 H413			
	Calcium alkyl salicylate, long chain			0,1 < 1 %
	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	Baseoil paraffinic	50 - < 100 %
		dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 5000 mg/kg	
36878-20-3	253-249-4	Alkarylamine, long chain	1 - < 5 %
		oral: LD50 = > 5001 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.

**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.

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### **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.

### **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.

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**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 respirative protection necessary.

In case of inadequate ventilation wear respiratory protection.

**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

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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: 232 °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): 0,84 g/cm<sup>3</sup>

Water solubility: practically insoluble

**Solubility in other solvents**

not determined

Partition coefficient n-octanol/water: not applicable

Viscosity / kinematic:  
(at 40 °C) 41,41 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

**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.

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
64742-54-7	Baseoil paraffinic				
	oral	LD50 > 5000 mg/kg	Rat	Manufacturer	
	dermal	LD50 > 5000 mg/kg	Rabbit	Manufacturer	
36878-20-3	Alkarylamine, long chain				
	oral	LD50 > 5001 mg/kg	Rat	Manufacturer	OECD 423

**Irritation and corrosivity**

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

Baseoil paraffinic: non-irritant. OECD 404, OECD 405

Alkarylamine, long chain: non-irritant. OECD 404, OECD 405

**Sensitising effects**

Contains Calcium alkyl salicylate, long chain, calcium sulfonate (polymer). 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**

The product is not: Ecotoxic.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
64742-54-7	Baseoil paraffinic					
	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
36878-20-3	Alkarylamine, long chain					
	Acute fish toxicity	LC50 > 101 mg/l	96 h	Piscis	Manufacturer	OECD 203
	Acute algae toxicity	ErC50 600 mg/l	72 h	Algae	Manufacturer	OECD 201
	Acute crustacea toxicity	EC50 > 101 mg/l	48 h	Daphnia	Manufacturer	OECD 202

**12.2. Persistence and degradability**

The substance is not soluble in water.

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CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
36878-20-3	Alkarylamine, long chain			
	OECD 301B	1 %	28	Manufacturer
	Not readily biodegradable (according to OECD criteria)			

**12.3. Bioaccumulative potential**

The product has not been tested.

**BCF**

CAS No	Chemical name	BCF	Species	Source
36878-20-3	Alkarylamine, long chain	1,584		

**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)****14.1. UN number:**

No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:**

No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

**14.4. Packing group:**

No dangerous good in sense of this transport regulation.

**Inland waterways transport (ADN)****14.1. UN number:**

No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:**

No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

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**14.4. Packing group:** No dangerous good in sense of this transport regulation.**Marine transport (IMDG)****14.1. UN number:** No dangerous good in sense of this transport regulation.**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.**14.4. Packing group:** No dangerous good in sense of this transport regulation.**Air transport (ICAO-TI/IATA-DGR)****14.1. UN number:** No dangerous good in sense of this transport regulation.**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.**14.4. Packing group:** No dangerous good in sense of this transport regulation.**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**14.6. Special precautions for user**

No information available.

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

not applicable

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

Restrictions on use (REACH, annex XVII):

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): 2 - obviously 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

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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  
(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

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**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 Calcium alkyl salicylate, long chain, calcium sulfonate (polymer). 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.

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