

Safety Data Sheet

according to UK REACH Regulation

JMC Motorenöl Extra 5W30 F

Revision date: 10.07.2024

Page 1 of 11

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

1.1. Product identifier

JMC Motorenöl Extra 5W30 F

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

Use of the substance/mixture

Lubricating agent

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	Telefax: + 49 (0) 40 2 37 21-363
E-mail:	info@matthies.de	
Internet:	www.matthies.de	
Responsible Department:	Abteilung Produktsicherheit	

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 Mo-S-Polymer, Alkyl phenol, longchained. May produce an allergic reaction.
EUH210	Safety data sheet available on request.

2.3. Other hazards

Endocrine disrupting potential none $\geq 0,1$ %
Do not allow uncontrolled discharge of product into the environment.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Safety Data Sheet

according to UK REACH Regulation

JMC Motorenöl Extra 5W30 F

Revision date: 10.07.2024

Page 2 of 11

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
64742-54-7	Mineral oil			50,00 - <100,0 %
	265-157-1	649-467-00-8	01-2119484627-25	
	Asp. Tox. 1; H304			
64742-65-0	Base oil, low viscosity			1,00 - <10,00 %
	265-169-7	649-474-00-6	01-2119471299-27	
	Asp. Tox. 1; H304			
64742-70-7	Baseoil			1,00 - <10,00 %
	265-174-4	649-477-00-2	01-2119487080-42	
	Asp. Tox. 1; H304			
64742-56-9	Base oil, low viscosity			1,00 - <10,00 %
	265-159-2	649-469-00-9	01-2119480132-48	
	Asp. Tox. 1; H304			
72623-87-1	low viscosity mineral oil			1,00 - <10,00 %
	276-738-4	649-483-00-5	01-2119474889-13	
	Asp. Tox. 1; H304			
72623-86-0	Base oil, low viscosity			1,00 - <10,00 %
	276-737-9	649-482-00-X	01-2119474878-16	
	Asp. Tox. 1; H304			
1190625-94-5	Alkyl phenol, longchained			1,00 - <5,00 %
	931-468-2		01-2119498288-19	
	Skin Sens. 1B, STOT RE 2; H317 H373			
	ZnDTP			1,00 - <2,50 %
	249-109-7		01-2119953278-28	
	Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 2; H315 H318 H411			
	Mo-S-Polymer			0,10 - <1,00 %
	457-320-2		01-0000019337-66	
	Skin Irrit. 2, Skin Sens. 1B, Aquatic Chronic 3; H315 H317 H412			

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

Safety Data Sheet

according to UK REACH Regulation

JMC Motorenöl Extra 5W30 F

Revision date: 10.07.2024

Page 3 of 11

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	50,00 - <100,0 %
		inhalation: LC50 = > 2500 mg/l (vapours); oral: LD50 = > 5000 mg/kg	
64742-65-0	265-169-7	Base oil, low viscosity	1,00 - <10,00 %
		inhalation: LC50 = > 5 mg/l (dusts or mists); dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 5001 mg/kg	
64742-56-9	265-159-2	Base oil, low viscosity	1,00 - <10,00 %
		inhalation: LC50 = > 5,01 mg/l (dusts or mists); dermal: LD50 = > 5001 mg/kg; oral: LD50 = > 5000 mg/kg	
72623-87-1	276-738-4	low viscosity mineral oil	1,00 - <10,00 %
		oral: LD50 = > 5000 mg/kg	
72623-86-0	276-737-9	Base oil, low viscosity	1,00 - <10,00 %
		inhalation: LC50 = > 5,53 mg/l (dusts or mists); oral: LD50 = > 5001 mg/kg	
	249-109-7	ZnDTP	1,00 - <2,50 %
		dermal: LD50 = > 5000 mg/kg; oral: LD50 = 3760 mg/kg Skin Irrit. 2; H315: >= 15 - 100 Eye Dam. 1; H318: >= 15 - 100	

Further Information

IP 346: Dimethylsulfoxide (DMSO)-Extraction < 3 %

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

Take off immediately all contaminated clothing and wash it before reuse.

After inhalation

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

After contact with skin

Wash with plenty of soap and water.

After contact with eyes

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

After ingestion

Rinse mouth thoroughly with water.

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

Skin contact-Eye contact slightly irritant but not relevant for classification.

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

In all cases of doubt, or when symptoms persist, seek medical advice.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**Carbon dioxide (CO₂), Extinguishing powder, Water spray jet.

In case of major fire and large quantities: alcohol resistant foam, Water spray jet-Water with tenside additive

Unsuitable extinguishing media

Full water jet.

5.2. Special hazards arising from the substance or mixture

@0202.B020243 In case of fire may be liberated: Pyrolysis products, toxic

Safety Data Sheet

according to UK REACH Regulation

JMC Motorenöl Extra 5W30 F

Revision date: 10.07.2024

Page 4 of 11

5.3. Advice for firefighters

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

Additional information

Move undamaged containers from immediate hazard area if it can be done safely. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Dispose of waste according to applicable legislation.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Special danger of slipping by leaking/spilling product.

For non-emergency personnel

Use personal protection equipment.

For emergency responders

Personal protection equipment: see section 8

6.2. Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers). Do not allow to enter into surface water or drains. 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

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

Avoid: generation/formation of aerosols. Provide adequate ventilation. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means. Avoid contact with skin.

Avoid contact with eyes.

Advice on protection against fire and explosion

Usual measures for fire prevention.

Further information on handling

Do not put any product-impregnated cleaning rags into your trouser pockets. Wear suitable protective clothing.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

Hints on joint storage

No information available.

Further information on storage conditions

Protect against: heat.

7.3. Specific end use(s)

Lubricating agent

SECTION 8: Exposure controls/personal protection

Safety Data Sheet

according to UK REACH Regulation

JMC Motorenöl Extra 5W30 F

Revision date: 10.07.2024

Page 5 of 11

8.1. Control parameters**8.2. Exposure controls****Appropriate engineering controls**

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

Protective and hygiene measures

Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff. Take off immediately all contaminated clothing and wash it before reuse.

Eye/face protection

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

Hand protection

Wear suitable gloves.

Suitable material: NBR (Nitrile rubber)

Breakthrough time:: >= 480 min

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

Avoid: Skin contact Long-term (repeated)

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

Provide adequate ventilation as well as local exhaustion at critical locations. Do not breathe gas/fumes/vapour/spray.

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:	amber-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:	206 °C
Flammability	
Solid/liquid:	@0202.B020243 °C
Lower explosion limits:	not determined
Upper explosion limits:	not determined
Auto-ignition temperature:	not determined
Decomposition temperature:	not determined
Vapour pressure:	not determined

Safety Data Sheet

according to UK REACH Regulation

JMC Motorenöl Extra 5W30 F

Revision date: 10.07.2024

Page 6 of 11

Density (at 15 °C):	0,85 g/cm ³
Water solubility:	practically insoluble
Solubility in other solvents not determined	
Partition coefficient n-octanol/water:	not applicable
Viscosity / kinematic: (at 40 °C)	52,26 mm ² /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

No information available.

10.5. Incompatible materials

Oxidising agent, strong, Strong acid, Strong alkali.

10.6. Hazardous decomposition products

In case of fire may be liberated: Carbon monoxide, Carbon dioxide, 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.

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) 50,05 mg/l

Safety Data Sheet

according to UK REACH Regulation

JMC Motorenöl Extra 5W30 F

Revision date: 10.07.2024

Page 7 of 11

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
64742-54-7	Mineral oil				
	oral	LD50 > 5000 mg/kg	Rat	Manufacturer	
	inhalation (4 h) vapour	LC50 > 2500 mg/l	Rat	Manufacturer	
64742-65-0	Base oil, low viscosity				
	oral	LD50 > 5001 mg/kg	Rat	Manufacturer	OECD 423
	dermal	LD50 > 5000 mg/kg	Rabbit	Manufacturer	
	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	
	dermal	LD50 > 5001 mg/kg	Rabbit	Manufacturer	
	inhalation (4 h) dust/mist	LC50 > 5,01 mg/l	Rat	Manufacturer	
72623-87-1	low viscosity mineral oil				
	oral	LD50 > 5000 mg/kg	Rat	Manufacturer	OECD 401
72623-86-0	Base oil, low viscosity				
	oral	LD50 > 5001 mg/kg	Rat	Manufacturer	OECD 401
	inhalation (4 h) dust/mist	LC50 > 5,53 mg/l	Rat	Manufacturer	
	ZnDTP				
	oral	LD50 3760 mg/kg	Rat	Manufacturer	
	dermal	LD50 > 5000 mg/kg	Rabbit	Manufacturer	

Irritation and corrosivity

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

Sensitising effects

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

Contains Mo-S-Polymer, Alkyl phenol, longchained. May produce an allergic reaction.

Carcinogenic/mutagenic/toxic effects for reproduction

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

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

Reproductive toxicity: 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

Safety Data Sheet

according to UK REACH Regulation

JMC Motorenöl Extra 5W30 F

Revision date: 10.07.2024

Page 8 of 11

Endocrine disrupting properties

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

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

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
64742-65-0	Base oil, low viscosity					
	Acute fish toxicity	LC50 mg/l	> 101	96 h	Oncorhynchus mykiss (Rainbow trout)	Manufacturer OECD 203
	Acute algae toxicity	ErC50 mg/l	> 101	72 h	Algae	Manufacturer OECD 201
	Acute crustacea toxicity	EC50 mg/l	>10000	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 mg/l	> 101	96 h	Piscis	Manufacturer
	Acute algae toxicity	ErC50 mg/l	> 100	72 h	Algae	Manufacturer
	Crustacea toxicity	NOEC mg/l	> 10	21 d	Daphnia magna (Big water flea)	Manufacturer
72623-87-1	low viscosity mineral oil					
	Acute crustacea toxicity	EL50 mg/l	> 10000	48 h	Daphnia	Manufacturer OECD 202
	Fish toxicity	NOEC mg/l	> 1000	14 d	Piscis	Manufacturer
	Algae toxicity	NOEC mg/l	> 100	3 d	Algae	Manufacturer OECD 201
	Crustacea toxicity	NOEC	10 mg/l	21 d	Daphnia	Manufacturer OECD 211
72623-86-0	Base oil, low viscosity					
	Acute fish toxicity	LC50 mg/l	> 100	96 h	Piscis	Manufacturer OECD 203
	Algae toxicity	NOEC mg/l	> 100	3 d	Algae	Manufacturer OECD 201
	Crustacea toxicity	NOEC	10 mg/l	21 d	Daphnia	Manufacturer OECD 211
	ZnDTP					
	Acute fish toxicity	LC50	3,8 mg/l	96 h	Piscis	Manufacturer
	Acute algae toxicity	ErC50	240 mg/l	72 h	Algae	Manufacturer
	Acute crustacea toxicity	EC50	6,8 mg/l	48 h	Daphnia	Manufacturer
	Fish toxicity	NOEC	1,8 mg/l	4 d	Piscis	Manufacturer
	Crustacea toxicity	NOEC	0,4 mg/l	21 d	Daphnia	Manufacturer
	Mo-S-Polymer					
	Acute crustacea toxicity	EL50	50 mg/l	48 h	Daphnia	Manufacturer OECD 202

12.2. Persistence and degradability

The product has not been tested.

Safety Data Sheet

according to UK REACH Regulation

JMC Motorenöl Extra 5W30 F

Revision date: 10.07.2024

Page 9 of 11

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
64742-56-9	Base oil, low viscosity			
	OECD 301F	31 %	28	Manufacturer
	Not readily biodegradable (according to OECD criteria)			
	Mo-S-Polymer			
		22,75 %	29	
	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
	Mo-S-Polymer	88 (0,05 mg/l)	Piscis	

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

hazardous to water (WGK 2)

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)

Safety Data Sheet

according to UK REACH Regulation

JMC Motorenöl Extra 5W30 F

Revision date: 10.07.2024

Page 10 of 11

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.

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 Directive
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

Additional information

Observe in addition any national regulations!

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

EC/EEC: European Community/European Economic Community

EU: European Union

CAS: Chemical Abstracts Service

M-Factor: Multiplication Factor

DNEL: Derived No Effect Level

DMEL: Derived Minimal Effect Level

Safety Data Sheet

according to UK REACH Regulation

JMC Motorenöl Extra 5W30 F

Revision date: 10.07.2024

Page 11 of 11

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
 (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
 TI: Technical Instructions
 DGR: Dangerous Goods Regulations
 MARPOL: International Convention for the Prevention of Marine Pollution from Ships
 IBC: Intermediate Bulk Container
 VOC: Volatile Organic Compounds
 IE: Industrial Emissions
 SVHC: Substance of Very High Concern

Relevant H and EUH statements (number and full text)

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.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH208	Contains Mo-S-Polymer, 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 relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)