

Safety Data Sheet

according to Regulation (EC) No 1907/2006

JMC GL5 85W-90 extra transmission fluid 1 ltr.

Print date: 10.07.2020

Product code: 5580045

Page 1 of 9

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

1.1. Product identifier

JMC GL5 85W-90 extra transmission fluid 1 ltr.

Further trade names

JMC Getriebeöl Extra GL5 85W-90 5l (JM-Nr. 558 00 46)

JMC Getriebeöl Extra GL5 85W-90 20l (JM-Nr. 558 00 47)

JMC Getriebeöl Extra GL5 85W-90 60l (JM-Nr. 558 00 50)

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

Use of the substance/mixture

Transmission fluid

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

Regulation (EC) No. 1272/2008

Hazard categories:

Respiratory or skin sensitisation: Skin Sens. 1A

Hazard Statements:

May cause an allergic skin reaction.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

Amines, C10-14 tert-alkyl

Signal word: Warning

Pictograms:



Hazard statements

H317

May cause an allergic skin reaction.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

JMC GL5 85W-90 extra transmission fluid 1 ltr.

Print date: 10.07.2020

Product code: 5580045

Page 2 of 9

Precautionary statements

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P501	Dispose of waste according to applicable legislation.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name	Quantity
	EC No	
	Index No	
	REACH No	
	GHS Classification	
1213789-63-9	C16-18- (even, saturated and unsaturated) alkylamines	0,1-<0,3 %
	627-034-4	01-2119473797-19
	Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, STOT SE 3, STOT RE 2, Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 1; H302 H314 H318 H335 H373 H304 H400 H410	
	Amines, C10-14 tert-alkyl	0,1-<0,3 %
	701-175-2	01-2119456798-18
	Acute Tox. 2, Acute Tox. 3, Acute Tox. 4, Skin Corr. 1B, Skin Sens. 1A, STOT SE 3, Aquatic Acute 1, Aquatic Chronic 1; H330 H311 H302 H314 H317 H335 H400 H410	

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

Further Information

The product is classified and labelled according to EC directives or corresponding national laws.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

- Self-protection of the first aider.
- Take off contaminated clothing.
- Do not put any product-impregnated cleaning rags into your trouser pockets.

After inhalation

- In case of inhalation of aerosols/spray/spray droplets: Consult a physician.
- Provide fresh air.
- Avoid breathing dust/fume/gas/mist/vapours/spray.
- IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

After contact with skin

- After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap.
- If skin irritation or rash occurs: Get medical advice/attention.

After contact with eyes

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

After ingestion

- Rinse mouth immediately and drink plenty of water.
- If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

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

No data available

Safety Data Sheet

according to Regulation (EC) No 1907/2006

JMC GL5 85W-90 extra transmission fluid 1 ltr.

Print date: 10.07.2020

Product code: 5580045

Page 3 of 9

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

Observe risk of aspiration if vomiting occurs. Call a physician immediately.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.
Carbon dioxide (CO₂). Dry extinguishing powder. Foam.

Unsuitable extinguishing media

Strong water jet.

5.2. Special hazards arising from the substance or mixture

Particular hazard due to substance itself, its combustion products or resulting gases
Carbon dioxide (CO₂). Carbon monoxide. Sulphur oxides. Phosphorus oxides. Hydrogen sulphide (H₂S).

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit. carbon black
In case of fire and/or explosion do not breathe fumes.
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.
Dispose of waste according to applicable legislation.
Use water spray jet to protect personnel and to cool endangered containers.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment. Special danger of slipping by leaking/spilling product.
Wear suitable protective clothing.
Wear breathing apparatus if exposed to vapours/dusts/aerosols.

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. 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
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Apply skin protection cream for preventive skin protection.
Wash hands before breaks and after work.
Conditions to avoid: aerosol or mist formation

Advice on protection against fire and explosion

No special measures are necessary.
When using do not smoke.
Fire class: B (DIN-/EN-Norms: EN2)

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

JMC GL5 85W-90 extra transmission fluid 1 ltr.

Print date: 10.07.2020

Product code: 5580045

Page 4 of 9

Keep away from: heat.
Keep/Store only in original container.

Hints on joint storage

Do not store together with: Food and feedingstuffs, Oxidising agent.

Further information on storage conditions

If product enters soil, it will be mobile and may contaminate groundwater.
Keep away from: heat.

7.3. Specific end use(s)

Transmission fluid

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls



Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme.
Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff. When using do not eat, drink or smoke.

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

Eye/face protection

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

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

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

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:	yellow-brown
Odour:	characteristic

pH-Value:	not applicable	Test method DIN 51369
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Changes in the physical state

Melting point:	not determined
Initial boiling point and boiling range:	not determined

Safety Data Sheet

according to Regulation (EC) No 1907/2006

JMC GL5 85W-90 extra transmission fluid 1 ltr.

Print date: 10.07.2020

Product code: 5580045

Page 5 of 9

Pour point: ~-21 °C ISO 3016
Flash point: >180 °C DIN ISO 2592

Flammability

Solid: not applicable
Gas: not applicable

Explosive properties

The product is not: Explosive.

Lower explosion limits: not determined
Upper explosion limits: not determined
Ignition temperature: No data available

Auto-ignition temperature

Solid: not applicable
Gas: not applicable

Decomposition temperature: not determined

Oxidizing properties

Not oxidising.

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

Density (at 15 °C): ~0,886 g/cm³ DIN 51757

Water solubility: practically insoluble

Solubility in other solvents

Soluble in hydrocarbons. (Mineral oil)

Partition coefficient: not determined

Viscosity / kinematic: ~15,3 mm²/s DIN 51562
(at 100 °C)

Vapour density: not determined

Evaporation rate: not determined

Solvent separation test: No data available

Solvent content: none

9.2. Other information

Solid content: not determined

none

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

No thermal decomposition if stored/handled/transported properly.
(>65 °C).

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions: Oxidising agent, strong

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

Oxidising agent, strong

10.6. Hazardous decomposition products

none

Safety Data Sheet

according to Regulation (EC) No 1907/2006

JMC GL5 85W-90 extra transmission fluid 1 ltr.

Print date: 10.07.2020

Product code: 5580045

Page 6 of 9

Further information

No thermal decomposition if stored/handled/transported properly.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

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

Irritation of the respiratory tract: Do not breathe gas/vapour.

CAS No	Chemical name			
	Exposure route	Dose	Species	Source
1213789-63-9	C16-18- (even, saturated and unsaturated) alkylamines			
	oral	ATE 500 mg/kg		
	Amines, C10-14 tert-alkyl			
	oral	ATE 500 mg/kg		
	dermal	ATE 300 mg/kg		
	inhalation vapour	ATE 0,5 mg/l		
	inhalation aerosol	ATE 0,05 mg/l		

Irritation and corrosivity

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

Skin irritation: none

Sensitising effects

May cause an allergic skin reaction. (Amines, C10-14 tert-alkyl)

It can be assumed that the finished product is not skin sensitising, due to the very low content of sensitising substances.

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.

Specific effects in experiment on an animal

No data available

Additional information on tests

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

Practical experience

Observations relevant to classification

Has degreasing effect on the skin.

Other observations

No special hazards caused by the product are known if it is used as intended and instructions given on precautionary measures are observed.

SECTION 12: Ecological information

12.1. Toxicity

The product is not: Ecotoxic.

12.2. Persistence and degradability

Due to its low solubility in water the product is almost completely mechanically separated in biological sewage plants. Poorly eliminated from water.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

JMC GL5 85W-90 extra transmission fluid 1 ltr.

Print date: 10.07.2020

Product code: 5580045

Page 7 of 9

Not readily biodegradable (according to OECD criteria). Product is partially biodegradable. Significant residues remain.

Waste oils should not be discharged into the sewage system or bodies of water, nor should they be allowed to seep into soil.

12.3. Bioaccumulative potential

No data available

Do not allow uncontrolled discharge of product into the environment.

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

The product has not been tested.

12.6. Other adverse effects

No data available

Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

The specified waste codes are recommended due to the intended use of the product.

Dispose of waste according to applicable legislation.

Do not empty into drains.

Dispose of this material and its container to hazardous or special waste collection point.

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

Dispose of this material and its container to hazardous or special waste collection point. Non-contaminated packages may be recycled. 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.

14.4. Packing group:

No dangerous good in sense of this transport regulation.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

JMC GL5 85W-90 extra transmission fluid 1 ltr.

Print date: 10.07.2020

Product code: 5580045

Page 8 of 9

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 dangerous good in sense of these transport regulations.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

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

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 juvenils according to the 'juvenile work protection guideline' (94/33/EC).
 Water hazard class (D): 2 - obviously hazardous to water
 Skin resorption/Sensitization: Causes allergic hypersensitivity reactions.

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

Safety Data Sheet

according to Regulation (EC) No 1907/2006

JMC GL5 85W-90 extra transmission fluid 1 ltr.

Print date: 10.07.2020

Product code: 5580045

Page 9 of 9

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
 For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>

Relevant H and EUH statements (number and full text)

H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H335	May cause respiratory irritation.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

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.)