

Safety Data Sheet

according to UK REACH Regulation

JMC Extra HLP 32 hydraulic oil 1 ltr.

Revision date: 14.09.2023

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

1.1. Product identifier

JMC Extra HLP 32 hydraulic oil 1 ltr.

UFI: 620J-U2GG-VH0W-S554

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

Use of the substance/mixture

Hydraulic fluids

>= 20 L Restricted to professional users.

Uses advised against

Relevant identified uses: none

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

Acute Tox. 4; H332

Asp. Tox. 1; H304

Full text of hazard statements: see SECTION 16.

2.2. Label elements

GB CLP Regulation

Hazard components for labelling

1-decen, dimer, hydriert

Base oil, low viscosity

Signal word: Danger

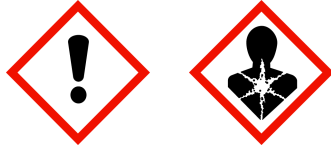
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Pictograms:**Hazard statements**

H304 May be fatal if swallowed and enters airways.
 H332 Harmful if inhaled.

Precautionary statements

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
 P331 Do NOT induce vomiting.
 P312 Call a POISON CENTER/doctor if you feel unwell.

2.3. Other hazards

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

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Hazardous components**

CAS No	Chemical name	Quantity
	EC No	Index No
	REACH No	
	GHS Classification	
68649-11-6	1-decen, dimer, hydriert	50 - < 100 %
	500-228-5	01-2119493069-28
	Acute Tox. 4, Asp. Tox. 1; H332 H304	
72623-86-0	Base oil, low viscosity	10 - < 20 %
	276-737-9	649-482-00-X
	01-2119474878-16	
	Asp. Tox. 1; H304	
1174522-45-2	Hydrocarbons, low viscosity	1 - 10 %
	934-954-2	01-2119826592-36
	Asp. Tox. 1; H304 EUH066	
8042-47-5	Base oil, low viscosity	1 - 10 %
	232-455-8	01-2119487078-27
	Asp. Tox. 1; H304	
68411-46-1	Aromatic amine, alkylated	0,1 < 1 %
	270-128-1	01-2119491299-23
	Repr. 2, Aquatic Chronic 3; H361f H412	
1218787-32-6	Alkylamine	0,1 - 0,25 %
	620-540-6	01-2119510877-33
	Acute Tox. 4, Skin Corr. 1C, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 1; H302 H314 H318 H400 H410	

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

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Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
68649-11-6	500-228-5	1-decen, dimer, hydriert	50 - < 100 %
		inhalation: ATE = 11 mg/l (vapours); inhalation: LC50 = 1,17 mg/l (dusts or mists); oral: LD50 = > 5001 mg/kg	
72623-86-0	276-737-9	Base oil, low viscosity	10 - < 20 %
		inhalation: LC50 = > 5,53 mg/l (dusts or mists); oral: LD50 = > 5001 mg/kg	
1174522-45-2	934-954-2	Hydrocarbons, low viscosity	1 - 10 %
		inhalation: LC50 = > 5,2 mg/l (dusts or mists); oral: LD50 = > 5001 mg/kg	
8042-47-5	232-455-8	Base oil, low viscosity	1 - 10 %
		oral: LD50 = > 5001 mg/kg	
68411-46-1	270-128-1	Aromatic amine, alkylated	0,1 < 1 %
		oral: LD50 = > 5000 mg/kg	
1218787-32-6	620-540-6	Alkylamine	0,1 - 0,25 %
		oral: LD50 = 1350 mg/kg Aquatic Acute 1; H400: M=10 Aquatic Chronic 1; H410: M=1	

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. Call a POISON CENTER/doctor/ if you feel unwell.

After contact with skin

Wash with plenty of soap and water.

After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

After ingestion

Immediately call a POISON CENTER/doctor/. Rinse mouth. Never give anything by mouth to an unconscious person or a person with cramps. Observe risk of aspiration if vomiting occurs. Do NOT induce vomiting.

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

Symptoms may develop several hours following exposure; medical observation therefore necessary for at least 48 hours. Following ingestion: Aspiration hazard, Pneumonia.

Treat symptomatically.

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

When in doubt or if symptoms are observed, get 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

High power water jet.

5.2. Special hazards arising from the substance or mixture

@0202.B020243

In case of fire may be liberated: Carbon dioxide (CO₂), Carbon monoxide, Pyrolysis products, toxic

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5.3. Advice for firefighters

Move undamaged containers from immediate hazard area if it can be done safely.
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
Dispose of waste according to applicable legislation.

Additional information

In case of fire: Wear self-contained breathing apparatus. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Provide adequate ventilation. Special danger of slipping by leaking/spilling product.

For non-emergency personnel

Provide adequate ventilation. 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.

6.3. Methods and material for containment and cleaning up

For containment

Prevent spread over a wide area (e.g. by containment or oil barriers). Cover drains.
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.

Other information

Clean contaminated articles and floor according to the environmental legislation.

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 dust, aerosol or mist formation. Do not breathe gas/fumes/vapour/spray.
Provide adequate ventilation.

Advice on protection against fire and explosion

Usual measures for fire prevention.

Further information on handling

When using do not eat, drink, smoke, sniff. Do not put any product-impregnated cleaning rags into your trouser pockets. Take off contaminated clothing.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Store in a well-ventilated place. Store in a dry place.

Hints on joint storage

Do not store together with: Oxidising agent, strong, Strong acid, Strong alkali.

Further information on storage conditions

If product enters soil, it will be mobile and may contaminate groundwater.

Do not store at temperatures above Flash point

7.3. Specific end use(s)

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Hydraulic fluids

SECTION 8: Exposure controls/personal protection**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. Avoid contact with skin, eyes and clothes. Protect skin by using skin protective cream.

Eye/face protection

Filling and transfer: Wear eye/face protection. DIN EN 166

Hand protection

Wear suitable gloves.

Suitable material: NBR (Nitrile rubber)

Breakthrough time: ≥ 480 min.Thickness of the glove material $\geq 0,38$ 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.

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

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:	green	
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:	156 °C

Flammability

Solid/liquid:	@0202.B020243 °C
Lower explosion limits:	not determined
Upper explosion limits:	not determined
Auto-ignition temperature:	not determined

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Decomposition temperature:	not determined
Density (at 15 °C):	0,82 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)	18,7 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 productsIn case of fire may be liberated: Carbon dioxide (CO₂), Carbon monoxide, Pyrolysis products, toxic**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in GB CLP Regulation****Acute toxicity**

Harmful if inhaled.

ATEmix calculated

ATE (inhalation vapour) 18,71 mg/l; ATE (inhalation dust/mist) 1,990 mg/l

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
68649-11-6	1-decen, dimer, hydriert				
	oral	LD50 > 5001 mg/kg	Rat	Manufacturer	
	inhalation vapour	ATE 11 mg/l			
	inhalation (4 h) dust/mist	LC50 1,17 mg/l	Rat	Manufacturer	
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	
1174522-45-2	Hydrocarbons, low viscosity				
	oral	LD50 > 5001 mg/kg	Rat	Manufacturer	OECD 401
	inhalation (4 h) dust/mist	LC50 > 5,2 mg/l	Rat	Manufacturer	OECD 403
8042-47-5	Base oil, low viscosity				
	oral	LD50 > 5001 mg/kg	Rat	Manufacturer	OECD 401
68411-46-1	Aromatic amine, alkylated				
	oral	LD50 > 5000 mg/kg	Rat	Manufacturer	OECD 401
1218787-32-6	Alkylamine				
	oral	LD50 1350 mg/kg	Rat	Manufacturer	OECD 401

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

May be fatal if swallowed and enters airways.

11.2. Information on other hazards**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**

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
68649-11-6	1-decen, dimer, hydriert					
	Acute fish toxicity	LC50 >1000 mg/l	96 h	Piscis	Manufacturer	
	Acute algae toxicity	ErC50 >1000 mg/l	72 h	Algae	Manufacturer	
	Acute crustacea toxicity	EC50 >1000 mg/l	48 h	Daphnia	Manufacturer	
	Fish toxicity	NOEC > 1000 mg/l	28 d	Piscis	Manufacturer	
	Crustacea toxicity	NOEC 125 mg/l	21 d	Daphnia	Manufacturer	
72623-86-0	Base oil, low viscosity					
	Acute fish toxicity	LC50 > 100 mg/l	96 h	Piscis	Manufacturer	OECD 203
	Algae toxicity	NOEC > 100 mg/l	3 d	Algae	Manufacturer	OECD 201
	Crustacea toxicity	NOEC 10 mg/l	21 d	Daphnia	Manufacturer	OECD 211
8042-47-5	Base oil, low viscosity					
	Acute fish toxicity	LC50 > 1001 mg/l	96 h	Piscis	Manufacturer	OECD 203
	Acute algae toxicity	ErC50 > 1001 mg/l	72 h	Algae	Manufacturer	
	Acute crustacea toxicity	EC50 > 101 mg/l	48 h	Daphnia	Manufacturer	OECD 202
68411-46-1	Aromatic amine, alkylated					
	Acute fish toxicity	LC50 > 100 mg/l	96 h	Piscis	Manufacturer	OECD 203
1218787-32-6	Alkylamine					
	Acute fish toxicity	LC50 0,1 mg/l	96 h	Piscis	Manufacturer	OECD 203
	Acute algae toxicity	ErC50 0,0538 mg/l	72 h	Algae	Manufacturer	OECD 201
	Acute crustacea toxicity	EC50 0,043 mg/l	48 h	Daphnia	Manufacturer	OECD 202
	Algae toxicity	NOEC 0,0156 mg/l	3 d	Algae	Manufacturer	

12.2. Persistence and degradability

The product has not been tested.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
1218787-32-6	Alkylamine			
	OECD 301D	63 %	28	Manufacturer
	Readily biodegradable (according to OECD criteria).			

12.3. Bioaccumulative potential

The product has not been tested.

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.

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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.
slightly hazardous to water

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.

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

List of Wastes Code - residues/unused products

130110 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); waste hydraulic oils; mineral based non-chlorinated hydraulic oils; hazardous waste

List of Wastes Code - used product

130110 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); waste hydraulic oils; mineral based non-chlorinated hydraulic oils; hazardous waste

Contaminated packaging

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

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

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

Inland waterways transport (ADN)

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

Marine transport (IMDG)

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

Air transport (ICAO-TI/IATA-DGR)

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

14.5. Environmental hazards

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ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

14.7. Maritime transport in bulk according to IMO instruments

No dangerous good in sense of this transport regulation.

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 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

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

CAS: Chemical Abstracts Service

M-Factor: Multiplication Factor

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
(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

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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
 EG or EC: European Community
 IE: Industrial Emissions
 SVHC: Substance of Very High Concern

Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure
Acute Tox. 4; H332	Calculation method
Asp. Tox. 1; H304	Calculation method

Relevant H and EUH statements (number and full text)

H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H361f	Suspected of damaging fertility.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

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.)