

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### JMC Hydrauliköl HLP 46 Extra 60I

Print date: 10.07.2020

Product code: 5580088

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

### 1.1. Product identifier

JMC Hydrauliköl HLP 46 Extra 60I

#### Further trade names

JMC Hydrauliköl HLP 46 Extra 1I (JM-Nr. 558 00 85)

JMC Hydrauliköl HLP 46 Extra 5I (JM-Nr. 558 00 86)

JMC Hydrauliköl HLP 46 Extra 20I (JM-Nr. 558 00 87)

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

#### Use of the substance/mixture

Hydraulic fluids

### 1.3. Details of the supplier of the safety data sheet

#### Manufacturer

Company name: Johannes J. Matthies GmbH &amp; 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

This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

### 2.2. Label elements

#### Additional advice on labelling

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

### 2.3. Other hazards

No information available.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

Hazardous ingredients: none

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

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### General information

Self-protection of the first aider

Immediately remove any contaminated clothing, shoes or stockings. Do not put any product-impregnated cleaning rags into your trouser pockets.

### After inhalation

Provide fresh air. In case of inhalation of aerosols/spray/spray droplets: Consult a physician. 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

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

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

Observe risk of aspiration if vomiting occurs.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.  
Carbon dioxide (CO<sub>2</sub>). Dry extinguishing powder. Foam.

#### Unsuitable extinguishing media

Strong water jet

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

Non-flammable. Particular hazard due to substance itself, its combustion products or resulting gases: Carbon dioxide (CO<sub>2</sub>). Carbon monoxide. Sulphur oxides. Phosphorus oxides. Hydrogen sulphide (H<sub>2</sub>S).

### 5.3. Advice for firefighters

carbon black In case of fire: Wear self-contained breathing apparatus.  
In case of fire and/or explosion do not breathe fumes.

### 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

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

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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 fire protection 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. Keep away from heat. Keep/Store only in original container.

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

Do not store together with: Food and feedingstuffs, Oxidizing agent

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

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

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

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 exhaust at critical locations.

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

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

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

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

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

##### **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 and protective clothing.

##### **Respiratory protection**

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

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### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state: Liquid  
 Colour: yellow brown  
 Odour: characteristic

	<b>Test method</b>
pH-Value:	not applicable DIN 51369

#### Changes in the physical state

Melting point:	not determined
Initial boiling point and boiling range:	not determined
Pour point:	~-30 °C DIN ISO 3016
Flash point:	>230 °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:	not determined

#### Auto-ignition temperature

Solid:	not applicable
Gas:	not applicable

Decomposition temperature:	not determined
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#### Oxidizing properties

Not oxidising.

Vapour pressure: (at 20 °C)	> 0,1 hPa calculated.
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Density (at 15 °C):	~ 0,87 g/cm <sup>3</sup> DIN 51757
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Water solubility: (at 20 °C)	practically insoluble
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#### Solubility in other solvents

Soluble in hydrocarbons. (Mineral oil)

Partition coefficient:	not determined
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Viscosity / dynamic:	not determined
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Viscosity / kinematic: (at 40 °C)	~46 mm <sup>2</sup> /s DIN 51562
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Vapour density:	not determined
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Evaporation rate:	not determined
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#### 9.2. Other information

Odour threshold: not determined

### 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.

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### **10.3. Possibility of hazardous reactions**

Reactions possible with oxidising agents.

### **10.4. Conditions to avoid**

none

### **10.5. Incompatible materials**

Oxidising agent, strong

### **10.6. Hazardous decomposition products**

none

### **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 to respiratory tract Do not breathe gas/vapour.

#### **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.  
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.  
Frequently or prolonged contact with skin may cause dermal irritation.

#### **Aspiration hazard**

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

#### **Practical experience**

#### **Other observations**

Has degreasing effect on the skin.

### **Further information**

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. 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**

The product has not been tested. Do not allow uncontrolled discharge of product into the environment.

### **12.4. Mobility in soil**

The product has not been tested.

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### 12.5. Results of PBT and vPvB assessment

The product has not been tested.

### 12.6. Other adverse effects

No information 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**

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation. The specified waste codes are recommended due to the intended use of the product. Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

#### **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 - contaminated packaging**

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**

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.

### **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

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### **14.6. Special precautions for user**

No information available.

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

not applicable

## **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)

#### **Additional information**

According to EC directives or the corresponding national regulations the product does not have to be labelled.

#### **National regulatory information**

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**

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

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

#### **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.)*