



according to Regulation (EC) No 1907/2006

## JMC Extra 75W-90 LS

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

## 1.1. Product identifier

JMC Extra 75W-90 LS

## Further trade names

JMC Extra 75W-90 LS 5I (JM-Nr. 558 00 29) JMC Extra 75W-90 LS 20I (JM-Nr. 558 00 32)

## 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 + 44 1536 265633

number:

# **SECTION 2: Hazards identification**

# 2.1. Classification of the substance or mixture

#### Regulation (EC) No. 1272/2008

Hazard categories:

Serious eye damage/eye irritation: Eye Irrit. 2 Respiratory or skin sensitisation: Skin Sens. 1A

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

Causes serious eye irritation. May cause an allergic skin reaction.

Harmful to aquatic life with long lasting effects.

# 2.2. Label elements

# Regulation (EC) No. 1272/2008

# Hazard components for labelling

Polysulfides, di-tert-Bu

Reaction products of bis(2-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched)

Amines, C10-14 tert-alkyl Magnesium metaborate

Signal word: Warning

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#### Pictograms:



#### **Hazard statements**

H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

# **Precautionary statements**

P103 Read label before use.

P264 Wash hands thoroughly after handling.
P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.
P501 Dispose of waste according to applicable legislation.

## 2.3. Other hazards

No information available.

# **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	•	<del></del>	
64742-54-7	Distillates (petroleum), hydrotrea	30 - < 60 %		
	265-157-1	649-467-00-8	01-2119484627-25	
	Asp. Tox. 1; H304		•	
	2-Propenoic acid, 2-methyl-, dod hexadecyl 2-methyl-2-propenoate, pentadec	5 - < 15 %		
	Eye Irrit. 2; H319			
68937-96-2	Polysulfides, di-tert-Bu			2,5 - < 5 %
	273-103-3		01-2119540515-43	
	Skin Sens. 1B, Aquatic Chronic 3			
	Reaction products of bis(2-methy propylene oxide and amines, C1:	1 - < 2,5 %		
	931-384-6		01-2119493620-38	
	Acute Tox. 4, Eye Dam. 1, Skin S	Sens. 1, Aquatic Chronic 2	; H302 H318 H317 H411	
13703-82-7	Magnesium metaborate	0,3 - < 1 %		
	237-235-5		01-2120769073-53	
	Skin Sens. 1B; H317			
	Amines, C10-14 tert-alkyl	0,3 - < 1 %		
	701-175-2		01-2119456798-18	
	Acute Tox. 2, Acute Tox. 3, Acute Aquatic Acute 1, Aquatic Chronic			
597-82-0	O,O,O-triphenyl phosphorothioat	0,3 - < 1 %		
	209-909-9		01-2119979545-21	
	Repr. 2; H361fd			
74499-35-7	phenol, (tetrapropenyl) derivative	< 0,1 %		
	616-100-8	604-092-00-9		
	Repr. 1B, Skin Corr. 1C, Eye Da (M-Factor = 10); H360F H314 H3			

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

#### **SECTION 4: First aid measures**

# 4.1. Description of first aid measures

## **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. When in doubt or if symptoms are observed, get medical advice. 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, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse.

If skin irritation or rash occurs: Get medical advice/attention.

#### 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

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ophthalmologist immediately.

#### 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

Treat symptomatically. Observe risk of aspiration if vomiting occurs. Aspiration hazard: 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

Non-flammable.

In case of fire may be liberated: 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.

carbon black, In case of fire and/or explosion do not breathe fumes.

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

#### **Additional information**

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately.

Do not allow entering drains or surface water.

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

Wash hands before breaks and after work. Use protective skin cream before handling the product. Conditions to avoid: aerosol or mist formation

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#### 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. 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. Use protective skin cream before handling the product. Keep away from food, drink and animal feedingstuffs. Do not breathe vapour.

#### Eye/face protection

Suitable eye protection: goggles. In fine dispersion/spraying/misting: Wear protective gloves and 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 and protective clothing.

## Respiratory protection

In case of inadequate ventilation wear 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

Test method

pH-Value: not applicable

Changes in the physical state

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# **Safety Data Sheet**

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

Pour point: < -33 °C ISO 3016

Flash point: > 200 °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

**Auto-ignition temperature** 

Solid: not applicable
Gas: not applicable

Decomposition temperature: not determined

**Oxidizing properties** 

Not oxidising.

Vapour pressure: < 0,1 hPa

(at 20 °C)

Density (at 15 °C): 0,86 g/cm³ DIN 51757

Water solubility: practically insoluble

(at 20 °C)

Solubility in other solvents

Soluble in hydrocarbons.

Partition coefficient: not determined

Viscosity / kinematic: 16 mm²/s DIN 51562

(at 100 °C)

Vapour density: not determined Evaporation rate: not determined Solvent content: none Solvent

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

The product is stable under storage at normal ambient temperatures.

Thermal decomposition > 65 °C.

## 10.3. Possibility of hazardous reactions

This material is considered to be non-reactive under normal use conditions. @1003.B100042 Oxidising agent, strong.

# 10.4. Conditions to avoid

none

# 10.5. Incompatible materials

Oxidising agent, strong

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#### 10.6. Hazardous decomposition products

No known hazardous decomposition products.

# **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.

CAS No	Chemical name						
	Exposure route	Dose		Species	Source		
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified						
	oral	LD50	> 2000 mg/kg	Rat	Manufacturer		
	dermal	LD50	> 2000 mg/kg	Rabbit	Manufacturer		
	inhalation (4 h) vapour	LC50	> 5000 mg/l	Rat	Manufacturer		
	Reaction products of bis(2-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched)						
	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

Causes serious eye irritation.

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

#### Sensitising effects

May cause an allergic skin reaction. (Polysulfides, di-tert-Bu; Reaction products of bis(2-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched); Magnesium metaborate; Amines, C10-14 tert-alkyl)

#### 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.

## **Practical experience**

## Observations relevant to classification

Has degreasing effect on the skin.

#### Other observations

No hazardous reaction when handled and stored according to provisions.

## **SECTION 12: Ecological information**

## 12.1. Toxicity

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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CAS No	Chemical name					
	Aquatic toxicity	Dose		[h]   [d]	Species	Source
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified					
	Acute fish toxicity	LC50	> 1000 mg/l	96 h	Piscis	Manufacturer
	Acute algae toxicity	ErC50	> 100 mg/l	72 h	Algae	Manufacturer
	Acute crustacea toxicity	EC50	> 100 mg/l	48 h	Daphnia	Manufacturer
	Reaction products of bis(2-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched)					
	Acute crustacea toxicity	EC50	91,4 mg/l		Daphnia magna (Big water flea)	Manufacturer

#### 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.

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

#### 12.3. Bioaccumulative potential

The product has not been tested.

Do not allow uncontrolled discharge of product into the environment.

#### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified	> 4

#### 12.4. Mobility in soil

The product has not been tested.

## 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. Do not allow to enter into soil/subsoil. 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

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

This material and its container must be disposed of as hazardous waste. Handle contaminated packages in the same way as the substance itself. Non-contaminated packages may be recycled.

### **SECTION 14: Transport information**

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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

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 Not subject to 2012/18/EU (SEVESO III)

(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

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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

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 eve damage. May cause an allergic skin reaction. H317 H318 Causes serious eve damage. H319 Causes serious eve irritation. H330 Fatal if inhaled. H335 May cause respiratory irritation. H360F May damage fertility. H361fd

Suspected of damaging fertility. Suspected of damaging the unborn child.

Very toxic to aquatic life. H400

Very toxic to aquatic life with long lasting effects. H410 H411 Toxic to aquatic life with long lasting effects. Harmful to aquatic life with long lasting effects. H412

### **Further Information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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