



## SAFETY DATA SHEET

### CARLUBE EP75W90 F/S GEAR OIL

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

##### 1.1. Product identifier

**Product name** CARLUBE EP75W90 F/S GEAR OIL  
**Product number** XZF001, XZF455, YZF020, YZF199

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

**Identified uses** Engine oil.

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

**Supplier** TETROSYL EUROPE  
79 rue du chemin vert  
59.273 Fretin  
TEL: 03 20 28 06 30  
qualite@tetrosyl-france.com

**Manufacturer** TETROSYL LIMITED  
Bury  
Lancashire  
England  
BL9 7NY  
0161 764 5981  
0161 797 5899  
info@tetrosyl.com

##### 1.4. Emergency telephone number

**Emergency telephone** +44 (0)161 764 5981 (24 hrs)

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Classification (SI 2019 No. 720)

**Physical hazards** Not Classified  
**Health hazards** Not Classified  
**Environmental hazards** Aquatic Chronic 2 - H411

##### 2.2. Label elements

###### Hazard pictograms



## CARLUBE EP75W90 F/S GEAR OIL

<b>Hazard statements</b>	<p>EUH208 Contains REACTION PRODUCTS OF BIS(4-METHYLPENTAN-2-YL)DITHIOPHOSPHORIC ACID WITH PHOSPHORUS OXIDE, PROPYLENE OXIDE AND AMINES, C12-14 ALKYL (BRANCHED), REACTION PRODUCTS OF 1,3,4-THIADIAZOLIDINE-2,5-DITHIONE, FORMALDEHYDE AND PHENOL, HEPTYL DERIVS.".</p> <p>May produce an allergic reaction.</p> <p>H411 Toxic to aquatic life with long lasting effects.</p>
<b>Precautionary statements</b>	<p>P101 If medical advice is needed, have product container or label at hand.</p> <p>P102 Keep out of reach of children.</p> <p>P273 Avoid release to the environment.</p> <p>P391 Collect spillage.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>

### 2.3. Other hazards

Not applicable.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<b>DISTILLATES, HYDROTREATED HEAVY PARAFFINIC &lt;3% DMSO EXTRACT (IP 346)</b>	<b>60-100%</b>
CAS number: 64742-54-7                      EC number: 265-157-1                      UK REACH registration number: UK-01-1759217276-5-0000	

#### **Classification**

Asp. Tox. 1 - H304

<b>REACTION PRODUCTS OF BIS(4-METHYLPENTAN-2-YL)DITHIOPHOSPHORIC ACID WITH PHOSPHORUS OXIDE, PROPYLENE OXIDE AND AMINES, C12-14 ALKYL (BRANCHED)</b>	<b>0.5-&lt;1%</b>
CAS number: —                                      EC number: 931-384-6                                      UK REACH registration number: UK-01-3357647710-4-0000	

#### **Classification**

Acute Tox. 4 - H302  
 Eye Dam. 1 - H318  
 Skin Sens. 1 - H317  
 Aquatic Chronic 2 - H411

<b>REACTION PRODUCTS OF 1,3,4-THIADIAZOLIDINE-2,5-DITHIONE, FORMALDEHYDE AND PHENOL, HEPTYL DERIVS."</b>	<b>0.1-&lt;0.3%</b>
CAS number: —                                      EC number: 939-460-0	

#### **Classification**

Skin Irrit. 2 - H315  
 Eye Dam. 1 - H318  
 Skin Sens. 1 - H317  
 Aquatic Chronic 3 - H412

## CARLUBE EP75W90 F/S GEAR OIL

<b>4-METHYLPENTAN-2-OL</b>	<b>&lt;0.1</b>
CAS number: 108-11-2	EC number: 203-551-7
<b>Classification</b>	
Flam. Liq. 3 - H226	
STOT SE 3 - H335	
<b>1,2,4-TRIMETHYLBENZENE</b>	<b>&lt;0.1</b>
CAS number: 95-63-6	EC number: 202-436-9
<b>Classification</b>	
Flam. Liq. 3 - H226	
Acute Tox. 4 - H332	
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	
STOT SE 3 - H335	
Aquatic Chronic 2 - H411	
<b>IPA</b>	<b>&lt;0.1</b>
CAS number: 67-63-0	EC number: 200-661-7
<b>Classification</b>	
Flam. Liq. 2 - H225	
Eye Irrit. 2 - H319	
STOT SE 3 - H336	

The full text for all hazard statements is displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>General information</b>	Get medical attention if any discomfort continues. Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
<b>Inhalation</b>	If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
<b>Ingestion</b>	Contact physician if larger quantity has been consumed. Rinse mouth thoroughly with water.
<b>Skin contact</b>	Remove contaminated clothing immediately and wash skin with soap and water.
<b>Eye contact</b>	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Do not rub eye.

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

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure. Effects may be delayed. Keep affected person under observation.
<b>Inhalation</b>	May cause an asthma-like shortness of breath. Vapours may cause headache, fatigue, dizziness and nausea.
<b>Ingestion</b>	May cause discomfort if swallowed. May cause stomach pain or vomiting. May cause nausea, headache, dizziness and intoxication.
<b>Skin contact</b>	Prolonged or repeated contact with skin may cause irritation, redness and dermatitis.

## CARLUBE EP75W90 F/S GEAR OIL

**Eye contact** May cause temporary eye irritation.

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

**Notes for the doctor** No specific recommendations. If in doubt, get medical attention promptly.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

**Suitable extinguishing media** Extinguish with the following media: Foam, carbon dioxide or dry powder. Use fire-extinguishing media suitable for the surrounding fire.

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

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

**Specific hazards** Fire creates: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). No unusual fire or explosion hazards noted.

**Hazardous combustion products** Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of carbon.

### **5.3. Advice for firefighters**

**Special protective equipment for firefighters** Leave danger zone immediately.

## **SECTION 6: Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Follow precautions for safe handling described in this safety data sheet. Avoid inhalation of vapours. Avoid contact with eyes and prolonged skin contact. Provide adequate ventilation. In case of spills, beware of slippery floors and surfaces.

### **6.2. Environmental precautions**

**Environmental precautions** Avoid or minimise the creation of any environmental contamination. Do not discharge into drains or watercourses or onto the ground. Collect and dispose of spillage as indicated in Section 13.

### **6.3. Methods and material for containment and cleaning up**

**Methods for cleaning up** Stop leak if possible without risk. Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Provide adequate ventilation. Contain spillage with sand, earth or other suitable non-combustible material. Avoid the spillage or runoff entering drains, sewers or watercourses. Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely.

### **6.4. Reference to other sections**

**Reference to other sections** Wear protective clothing as described in Section 8 of this safety data sheet. Collect and dispose of spillage as indicated in Section 13. The product contains a substance which is hazardous to aquatic organisms and which may cause long term adverse effects in the aquatic environment. See Section 12 for additional information on ecological hazards.

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

## CARLUBE EP75W90 F/S GEAR OIL

### Usage precautions

Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Do not eat, drink or smoke when using the product. Avoid the formation of mists. Provide adequate ventilation. Always remove oil with soap and water or skin cleaning agent, never use organic solvents. Do not use oil-contaminated clothing or shoes, and do not put rags moistened with oil into pockets.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Keep containers upright. Store in tightly-closed, original container.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

#### Occupational exposure limits

No exposure limits known for ingredient(s).

#### 4-METHYLPENTAN-2-OL

Long-term exposure limit (8-hour TWA): WEL 25 ppm(Sk) 106 mg/m<sup>3</sup>(Sk)

Short-term exposure limit (15-minute): WEL 40 ppm(Sk) 170 mg/m<sup>3</sup>(Sk)

#### 1,2,4-TRIMETHYLBENZENE

Long-term exposure limit (8-hour TWA): WEL 25 ppm 125 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL

#### IPA

Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit.

### DISTILLATES, HYDROTREATED HEAVY PARAFFINIC <3% DMSO EXTRACT (IP 346) (CAS: 64742-54-7)

**DNEL**

- Workers - Inhalation; Long term systemic effects: 2.73 mg/m<sup>3</sup>
- Workers - Dermal; Long term systemic effects: 0.97 mg/kg
- General population - Oral; Long term systemic effects: 0.74 mg/kg
- Workers - Inhalation; Long term local effects: 5.58 mg/m<sup>3</sup>
- General population - Inhalation; Long term local effects: 1.19 mg/m<sup>3</sup>

### MINERAL OIL - H304 (<3% DMSO EXTRACT, IP 346) (CAS: 64742-55-8)

**DNEL**

- Workers - Dermal; Long term systemic effects: 0.97 mg/kg
- Workers - Inhalation; Long term local effects: 5.58 mg/m<sup>3</sup>
- Workers - Inhalation; Long term systemic effects: 2.73 mg/m<sup>3</sup>
- General population - Oral; Long term systemic effects: 0.74 mg/kg
- General population - Inhalation; Long term local effects: 1.19 mg/m<sup>3</sup>

### PHENOL, HEPTYL DERIVATIVES (CAS: 72624-02-3)

## CARLUBE EP75W90 F/S GEAR OIL

<b>DNEL</b>	<p>Workers - Dermal; Long term systemic effects: 500 mg/kg          Workers - Dermal; Long term local effects: 0.0693 mg/cm<sup>2</sup>          Workers - Inhalation; Long term systemic effects: 1.76 mg/m<sup>3</sup>          General population - Dermal; Long term systemic effects: 62.5 mg/kg          General population - Dermal; Long term local effects: 0.03465 mg/cm<sup>2</sup>          General population - Inhalation; Long term systemic effects: 0.44 mg/m<sup>3</sup>          General population - Inhalation; Short term systemic effects: 2.6 mg/m<sup>3</sup>          General population - Oral; Long term systemic effects: 2.5 mg/kg          - ; :</p>
<b>PNEC</b>	<p>Fresh water; 0.00036 mg/l          marine water; 0.000036 mg/l          Sediment (Freshwater); 0.09 mg/kg          Sediment (Marinewater); 0.009 mg/kg          Soil; 0.018 mg/kg          STP; 0.58 mg/l</p>

### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

#### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses.

#### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It is recommended that gloves are made of the following material: Nitrile rubber. It should be noted that liquid may penetrate the gloves. Frequent changes are recommended.

#### Other skin and body protection

Wear appropriate clothing to prevent repeated or prolonged skin contact.

#### Hygiene measures

Wash contaminated clothing before reuse. Wash promptly with soap and water if skin becomes contaminated.

#### Respiratory protection

No specific recommendations.

### SECTION 9: Physical and chemical properties

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

<b>Appearance</b>	Clear liquid.
<b>Colour</b>	Straw.
<b>Odour</b>	Oil-like.
<b>pH</b>	Not determined.
<b>Melting point</b>	Not determined.
<b>Initial boiling point and range</b>	>250°C @ 1013 hPa
<b>Flash point</b>	220°C
<b>Evaporation rate</b>	Not determined.

## CARLUBE EP75W90 F/S GEAR OIL

<b>Upper/lower flammability or explosive limits</b>	Not determined.
<b>Vapour pressure</b>	Not determined.
<b>Vapour density</b>	Not determined.
<b>Relative density</b>	0.860g/cm <sup>3</sup> @ 20°C
<b>Solubility(ies)</b>	Insoluble in water.
<b>Partition coefficient</b>	Not determined.
<b>Auto-ignition temperature</b>	Not determined.
<b>Decomposition Temperature</b>	Not determined.
<b>Viscosity</b>	96 mm <sup>2</sup> /s @ 40°C
<b>Explosive properties</b>	Not considered to be explosive.
<b>Explosive under the influence of a flame</b>	Not considered to be explosive.
<b>Oxidising properties</b>	Does not meet the criteria for classification as oxidising.

### 9.2. Other information

**Other information** None.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity** There are no known reactivity hazards associated with this product.

### 10.2. Chemical stability

**Stability** No particular stability concerns.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Not applicable.

### 10.4. Conditions to avoid

**Conditions to avoid** There are no known conditions that are likely to result in a hazardous situation.

### 10.5. Incompatible materials

**Materials to avoid** No specific material or group of materials is likely to react with the product to produce a hazardous situation.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Does not decompose when used and stored as recommended.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Toxicological effects** No information available.

#### Acute toxicity - oral

**Summary** Based on available data the classification criteria are not met.

#### Acute toxicity - dermal

## CARLUBE EP75W90 F/S GEAR OIL

<b>Summary</b>	Based on available data the classification criteria are not met.
<b><u>Acute toxicity - inhalation</u></b>	
<b>Summary</b>	Based on available data the classification criteria are not met.
<b><u>Skin corrosion/irritation</u></b>	
<b>Summary</b>	Based on available data the classification criteria are not met.
<b><u>Serious eye damage/irritation</u></b>	
<b>Summary</b>	Based on available data the classification criteria are not met.
<b><u>Respiratory sensitisation</u></b>	
<b>Summary</b>	Based on available data the classification criteria are not met.
<b><u>Skin sensitisation</u></b>	
<b>Summary</b>	Based on available data the classification criteria are not met.
<b><u>Germ cell mutagenicity</u></b>	
<b>Summary</b>	Based on available data the classification criteria are not met.
<b><u>Carcinogenicity</u></b>	
<b>Summary</b>	Based on available data the classification criteria are not met.
<b><u>Reproductive toxicity</u></b>	
<b>Summary</b>	Based on available data the classification criteria are not met.
<b><u>Specific target organ toxicity - single exposure</u></b>	
<b>Summary</b>	Based on available data the classification criteria are not met.
<b><u>Specific target organ toxicity - repeated exposure</u></b>	
<b>Summary</b>	Based on available data the classification criteria are not met.
<b><u>Aspiration hazard</u></b>	
<b>Summary</b>	Based on available data the classification criteria are not met.
<b>Inhalation</b>	No specific health hazards known.
<b>Ingestion</b>	May cause discomfort if swallowed.
<b>Skin contact</b>	Prolonged and frequent contact may cause redness and irritation. May cause an allergic skin reaction.
<b>Eye contact</b>	May cause temporary eye irritation.

### SECTION 12: Ecological information

<b>Ecotoxicity</b>	Dangerous for the environment if discharged into watercourses. Toxic to aquatic life with long lasting effects.
<b><u>12.1. Toxicity</u></b>	
<b><u>Acute aquatic toxicity</u></b>	
<b>Acute toxicity - fish</b>	Not available.
<b>Acute toxicity - aquatic invertebrates</b>	Not available.
<b><u>12.2. Persistence and degradability</u></b>	
<b>Persistence and degradability</b>	There are no data on the degradability of this product.



## CARLUBE EP75W90 F/S GEAR OIL

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

**Partition coefficient** Not determined.

### 12.4. Mobility in soil

**Mobility** The product is insoluble in water and will spread on the water surface.

**Adsorption/desorption coefficient** Not available.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current UK criteria.

### 12.6. Other adverse effects

**Other adverse effects** Not available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information** Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

**Disposal methods** Confirm disposal procedures with environmental engineer and local regulations.

## SECTION 14: Transport information

### 14.1. UN number

**UN No. (ADR/RID)** 3082

**UN No. (IMDG)** 3082

**UN No. (ICAO)** 3082

**UN No. (ADN)** 3082

### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS OLEYLAMINE, REACTION PRODUCTS OF BIS(4-METHYLPENTAN-2-YL)DITHIOPHOSPHORIC ACID WITH PHOSPHORUS OXIDE, PROPYLENE OXIDE AND AMINES, C12-14 ALKYL (BRANCHED))

**Proper shipping name (IMDG)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS OLEYLAMINE, REACTION PRODUCTS OF BIS(4-METHYLPENTAN-2-YL)DITHIOPHOSPHORIC ACID WITH PHOSPHORUS OXIDE, PROPYLENE OXIDE AND AMINES, C12-14 ALKYL (BRANCHED))

**Proper shipping name (ICAO)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS OLEYLAMINE, REACTION PRODUCTS OF BIS(4-METHYLPENTAN-2-YL)DITHIOPHOSPHORIC ACID WITH PHOSPHORUS OXIDE, PROPYLENE OXIDE AND AMINES, C12-14 ALKYL (BRANCHED))

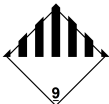
**Proper shipping name (ADN)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS OLEYLAMINE, REACTION PRODUCTS OF BIS(4-METHYLPENTAN-2-YL)DITHIOPHOSPHORIC ACID WITH PHOSPHORUS OXIDE, PROPYLENE OXIDE AND AMINES, C12-14 ALKYL (BRANCHED))

### 14.3. Transport hazard class(es)

## CARLUBE EP75W90 F/S GEAR OIL

ADR/RID class	9
ADR/RID classification code	M6
ADR/RID label	9
IMDG class	9
ICAO class/division	9
ADN class	9

### Transport labels



### 14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ICAO packing group	III
ADN packing group	III

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



### 14.6. Special precautions for user

EmS	F-A, S-F
ADR transport category	3
Emergency Action Code	•3Z
Hazard Identification Number (ADR/RID)	90
Tunnel restriction code	(-)

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

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

Revision comments	NOTE: Lines within the margin indicate significant changes from the previous revision.
Issued by	Regulatory Department

**CARLUBE EP75W90 F/S GEAR OIL****Revision date** 26/01/2022**Revision** 18**Supersedes date** 04/02/2021**SDS status** Approved.**Hazard statements in full**  
H302 Harmful if swallowed.  
H304 May be fatal if swallowed and enters airways.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
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.  
H411 Toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.  
EUH208 Contains REACTION PRODUCTS OF BIS(4-METHYLPENTAN-2-YL)DITHIOPHOSPHORIC ACID WITH PHOSPHORUS OXIDE, PROPYLENE OXIDE AND AMINES, C12-14 ALKYL (BRANCHED), REACTION PRODUCTS OF 1,3,4-THIADIAZOLIDINE-2,5-DITHIONE, FORMALDEHYDE AND PHENOL, HEPTYL DERIVS."..  
May produce an allergic reaction.