



## SAFETY DATA SHEET

### EP80W-90

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

##### 1.1. Product identifier

**Product name** EP80W-90

**Product number** 7040

**Internal identification** GHS21453

**EU REACH registration notes** Due to the transition process from EU to UK REACH, our SDS no longer show EU REACH numbers on English SDS as they do not apply to the UK market. UK REACH numbers will be shown as they become available from our suppliers. This product is formulated in compliance with both EU and UK REACH

**Part number** EPE

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

**Identified uses** Gear oil. Transmission oil.

**Uses advised against** None specified unless otherwise stated within this MSDS

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

**Supplier** Morris Lubricants  
Castle Foregate  
Shrewsbury  
Shropshire  
SY1 2EL  
+44 (0) 1743 232200  
+44 (0) 1743 353584  
sds@morris-lubricants.co.uk

##### 1.4. Emergency telephone number

#### SECTION 2: Hazards identification

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

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

**Physical hazards** Not Classified

**Health hazards** Skin Sens. 1 - H317

**Environmental hazards** Aquatic Chronic 3 - H412

##### 2.2. Label elements

###### Hazard pictograms



**Signal word** Warning

**Hazard statements** H317 May cause an allergic skin reaction.  
H412 Harmful to aquatic life with long lasting effects.

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**Precautionary statements** P264 Wash contaminated skin thoroughly after handling.  
P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P501a Dispose of container/contents to a hazardous or special waste collection point.

**Supplemental label information** EUH210 Safety data sheet available on request.

**Contains** Polysulfides, di-tert-Bu, Phosphorous acid , tri- C12-14-alkyl esters

### 2.3. Other hazards

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT) at >0.1%. This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB) at > 0.1%.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<b>Distillates, hydrotreated heavy paraffinic</b>			<b>60-100%</b>
CAS number: 64742-54-7	EC number: 265-157-1	UK REACH registration number: UK-01-1759217276-5-XXXX	
<b>Classification</b> Not Classified	<b>Classification (67/548/EEC or 1999/45/EC)</b> -		

<b>Residual oils (petroleum), hydrotreated</b>			<b>10-30%</b>
CAS number: 64742-62-7	EC number: 265-166-0		
A petroleum product. DMSO extract < 3 % weight ( IP 346 )			
<b>Classification</b> Not Classified	<b>Classification (67/548/EEC or 1999/45/EC)</b> -		

<b>Polysulfides, di-tert-Bu</b>			<b>1-5%</b>
CAS number: 68937-96-2	EC number: 273-103-3	UK REACH registration number: UK-01-2783246473-2-XXXX	
M factor (Acute) = 1	M factor (Chronic) = 1		
<b>Classification</b> Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410			

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<b>Reaction mass of Octadec-9-en-1-yl ammonium di-n-hexyl phosphorodithioate and Octadec-9-en-1-yl ammonium mono- and dibutylphosphate</b>		<b>&lt;1%</b>
CAS number: —	EC number: 434-280-4	
M factor (Acute) = 1	M factor (Chronic) = 1	
<b>Classification</b> Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT RE 2 - H373 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410		
<b>Phosphorous acid , tri- C12-14-alkyl esters</b>		<b>&lt;1%</b>
CAS number: 93686-48-7	EC number: 297-701-9	
<b>Classification</b> Skin Sens. 1 - H317		

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**Composition comments** If REACH registration numbers do not appear the substance is either exempt from registration, does not meet the minimum volume threshold for registration, the registration date has not yet come due or this information is proprietary.

**Ingredient notes** A petroleum product. DMSO extract < 3 % weight ( IP 346 )

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>General information</b>	Get medical attention if any discomfort continues.
<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. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Get medical attention if any discomfort continues. Do not induce vomiting.
<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 contact lenses, if present and easy to do. Continue rinsing. Get medical attention if any discomfort continues.

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

<b>Inhalation</b>	Considered to be a low inhalation hazard at normal workplace temperatures.
<b>Ingestion</b>	The product contains mineral oil, which if aspirated into the lungs through vomiting after ingestion, may result in chemical pneumonia.
<b>Skin contact</b>	Prolonged contact may cause redness, irritation and dry skin. May cause skin sensitisation or allergic reactions in sensitive individuals.
<b>Eye contact</b>	Irritation of eyes and mucous membranes.

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

**Notes for the doctor** Treat symptomatically.

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media** Extinguish with foam, carbon dioxide, dry powder or water fog.

**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** Heat from fire could result in drums bursting

**Hazardous combustion products** Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m<sup>3</sup>. Oxides of carbon. Oxides of nitrogen.

#### 5.3. Advice for firefighters

**Protective actions during firefighting** Control run-off water by containing and keeping it out of sewers and watercourses.

**Special protective equipment for firefighters** Wear self-contained breathing apparatus.

### SECTION 6: Accidental release measures

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

**Personal precautions** For personal protection, see Section 8. Take care as floors and other surfaces may become slippery. Keep unnecessary and unprotected personnel away from the spillage.

#### 6.2. Environmental precautions

**Environmental precautions** Contain spillage with sand or earth. Avoid the spillage or runoff entering drains, sewers or watercourses. The product is insoluble in water and will spread on the water surface.

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

**Methods for cleaning up** In case of spillage on water prevent the spread by use of suitable barrier equipment. Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

#### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. See Section 11 for additional information on health hazards.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

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

**Storage precautions** Store in tightly-closed, original container in a dry, cool and well-ventilated place.

**Storage class** Miscellaneous hazardous material storage.

#### 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

Distillates, hydrotreated heavy paraffinic

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Long-term exposure limit (8-hour TWA): ACGIH 5 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): ACGIH 10 mg/m<sup>3</sup>

### Residual oils (petroleum), hydrotreated

Long-term exposure limit (8-hour TWA): ACGIH 5 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): ACGIH 10 mg/m<sup>3</sup>

ACGIH = American Conference of Governmental Industrial Hygienists.

## 8.2. Exposure controls

### Protective equipment



#### Appropriate engineering controls

Provide adequate general and local exhaust ventilation. 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. The following protection should be worn: Chemical splash goggles or face shield.

#### Hand protection

The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material.

#### Other skin and body protection

Use barrier creams to prevent skin contact.

#### Hygiene measures

Use engineering controls to reduce air contamination to permissible exposure level. Wash promptly with soap and water if skin becomes contaminated.

#### Respiratory protection

No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

#### Thermal hazards

Not anticipated under normal conditions of use. The product is combustible if heated excessively and an ignition source is applied.

#### Environmental exposure controls

Do not allow product to contaminate land.

## SECTION 9: Physical and chemical properties

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

Appearance	Liquid.
Colour	Amber.
Odour	Oil-like.
Odour threshold	Not known.
Melting point	-30°C Pour point
Initial boiling point and range	>320°C @ 101.3 kPa
Flash point	181°C Pensky-Martens closed cup.
Evaporation rate	Not relevant.
Upper/lower flammability or explosive limits	Not known.

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<b>Other flammability</b>	Product is not flammable but on excessive heating may become combustible.
<b>Relative density</b>	0.889 @ 15.6°C
<b>Solubility(ies)</b>	Insoluble in water. Soluble in the following materials: Organic solvents.
<b>Partition coefficient</b>	Not determined. log Kow >7 Typical of mineral oil.
<b>Auto-ignition temperature</b>	No specific test data are available.
<b>Decomposition Temperature</b>	Not determined.
<b>Viscosity</b>	128.9 cSt @ 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>	The mixture itself has not been tested but none of the ingredient substances meet the criteria for classification as oxidising.

### 9.2. Other information

<b>Volatile organic compound</b>	The product is a complex mixture, the majority of which would not be classed as a VOC. However it cannot be discounted that trace or low levels of VOCs may be present.
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

<b>Reactivity</b>	There are no known reactivity hazards associated with this product.
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### 10.2. Chemical stability

<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended.
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### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	Unlikely to occur under normal conditions of use.
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### 10.4. Conditions to avoid

<b>Conditions to avoid</b>	Avoid heat, flames and other sources of ignition.
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### 10.5. Incompatible materials

<b>Materials to avoid</b>	Strong oxidising agents.
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### 10.6. Hazardous decomposition products

<b>Hazardous decomposition products</b>	Oxides of carbon. Oxides of nitrogen.
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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - oral

<b>Notes (oral LD<sub>50</sub>)</b>	Based on available data the classification criteria are not met.
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#### Acute toxicity - dermal

<b>Notes (dermal LD<sub>50</sub>)</b>	Based on available data the classification criteria are not met.
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#### Acute toxicity - inhalation

<b>Notes (inhalation LC<sub>50</sub>)</b>	Not determined. The product is unlikely to present any significant inhalation hazard at ambient temperatures and under normal conditions of use.
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### Serious eye damage/irritation

**Serious eye damage/irritation** May cause mild, short lasting discomfort to eyes.

### Respiratory sensitisation

**Respiratory sensitisation** Repeated exposure to oil mists may cause respiratory damage. There is no evidence that the product can cause respiratory hypersensitivity.

### Skin sensitisation

**Skin sensitisation** May cause skin sensitization. Based on data from components or similar materials

### Carcinogenicity

**Carcinogenicity** This product contains mineral oils which are considered to be severely refined and not considered to be carcinogenic under IARC. All of the oils in this product have been demonstrated to contain less than 3% extractables by the IP346 test

### Reproductive toxicity

**Reproductive toxicity - fertility** No data available to suggest the product will cause reproductive toxicity.

### Specific target organ toxicity - single exposure

**STOT - single exposure** Based on available data the classification criteria are not met.

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** Based on available data the classification criteria are not met.

### Aspiration hazard

**Aspiration hazard** Although not classified, the product contains mineral oil. If aspirated into the lungs e.g. through vomiting after ingestion, admit to hospital immediately.

### General information

This product has low toxicity. Only large quantities are likely to have adverse effects on human health.

### Inhalation

Unlikely to be hazardous by inhalation because of the low vapour pressure of the product at ambient temperature.

### Ingestion

No harmful effects expected from quantities likely to be ingested by accident.

### Skin contact

May cause sensitisation or allergic reactions in sensitive individuals.

### Eye contact

May cause temporary eye irritation.

### Acute and chronic health hazards

Prolonged or repeated contact with used oil may cause serious skin diseases, such as dermatitis and skin cancer.

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### SECTION 12: Ecological information

**Ecotoxicity** Harmful to aquatic life with long lasting effects.

#### 12.1. Toxicity

**Toxicity** No data available.

#### Acute aquatic toxicity

**Acute toxicity - aquatic invertebrates** Based on available data the classification criteria are not met.

#### 12.2. Persistence and degradability

**Stability (hydrolysis)** The product is based on highly refined mineral oils that are considered stable to hydrolysis.

**Biodegradation** The product is not considered readily biodegradable, albeit the major constituents are expected to ultimately biodegrade.

**Biological oxygen demand** Not determined.

**Chemical oxygen demand** Not determined.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential** Bioaccumulation is unlikely to be significant because of the low water-solubility of this product.

**Partition coefficient** Not determined. log Kow >7 Typical of mineral oil.

#### 12.4. Mobility in soil

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

**Henry's law constant** Not determined.

#### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substance classified as PBT or vPvB =>0.1%

#### 12.6. Other adverse effects

**Other adverse effects** None known.

**Endocrine Disruption** The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**Disposal methods** Dispose of waste via a licensed waste disposal contractor.

**Waste class** European waste catalogue (EWC) number = 13 02 08\* (other engine, gear and lubricating oil)

### SECTION 14: Transport information

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

#### 14.1. UN number

Not applicable.

#### 14.2. UN proper shipping name



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Not applicable.

### **14.3. Transport hazard class(es)**

No transport warning sign required.

### **14.4. Packing group**

Not applicable.

### **14.5. Environmental hazards**

**Environmentally hazardous substance/marine pollutant**

No.

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

Not applicable.

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

**Transport in bulk according to** Not applicable.

**Annex II of MARPOL 73/78**

**and the IBC Code**

## **SECTION 15: Regulatory information**

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

#### **National regulations**

GB CLP Regulation

The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 (SI 2020 No. 1577) (as amended).

#### **Guidance**

Workplace Exposure Limits EH40.

### **15.2. Chemical safety assessment**

No chemical safety assessment has been carried out.

#### **Inventories**

##### **Canada - DSL/NDSL**

All the ingredients are listed or exempt.

##### **US - TSCA**

All the ingredients are listed or exempt.

##### **Australia - AIC**

All the ingredients are listed or exempt.

##### **Korea - KECI**

All the ingredients are listed or exempt.

##### **China - IECSC**

All the ingredients are listed or exempt.

##### **Philippines – PICCS**

All the ingredients are listed or exempt.

##### **New Zealand - NZIOC**

All the ingredients are listed or exempt.

## **SECTION 16: Other information**

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<b>Abbreviations and acronyms used in the safety data sheet</b>	<p>ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.</p> <p>CAS: Chemical Abstracts Service.</p> <p>DNEL: Derived No Effect Level.</p> <p>GHS: Globally Harmonized System.</p> <p>IATA: International Air Transport Association.</p> <p>IMDG: International Maritime Dangerous Goods.</p> <p>REACH: The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577.</p> <p>vPvB: Very Persistent and Very Bioaccumulative.</p>
<b>Classification abbreviations and acronyms</b>	<p>Acute Tox. = Acute toxicity</p> <p>Aquatic Acute = Hazardous to the aquatic environment (acute)</p> <p>Aquatic Chronic = Hazardous to the aquatic environment (chronic)</p> <p>Asp. Tox. = Aspiration hazard</p> <p>Carc. = Carcinogenicity</p> <p>Eye Dam. = Serious eye damage</p> <p>Eye Irrit. = Eye irritation</p> <p>Flam. Gas = Flammable gas</p> <p>Flam. Liq. = Flammable liquid</p> <p>Met. Corr. = Corrosive to metals</p> <p>Repr. = Reproductive toxicity</p> <p>Resp. Sens. = Respiratory sensitisation</p> <p>Skin Corr. = Skin corrosion</p> <p>Skin Irrit. = Skin irritation</p> <p>Skin Sens. = Skin sensitisation</p> <p>STOT RE = Specific target organ toxicity-repeated exposure</p> <p>STOT SE = Specific target organ toxicity-single exposure</p>
<b>Revision comments</b>	NOTE: Lines within the margin indicate significant changes from the previous revision.
<b>Issued by</b>	Regulatory Affairs
<b>Revision date</b>	25/11/2021
<b>Revision</b>	14
<b>Supersedes date</b>	10/12/2020
<b>SDS number</b>	21453
<b>Hazard statements in full</b>	<p>H315 Causes skin irritation.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H319 Causes serious eye irritation.</p> <p>H373 May cause damage to organs through prolonged or repeated exposure.</p> <p>H400 Very toxic to aquatic life.</p> <p>H410 Very toxic to aquatic life with long lasting effects.</p> <p>H412 Harmful to aquatic life with long lasting effects.</p>

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.