

This Safety Data Sheet is in accordance with Regulation (EC) No 1907/2006 (REACH).

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product Identifier

**Material Name** : Heavy Neutral Base Oil

**CAS No** : 74869-22-0

**EC No** : 278-012-2

**Other Names of Product:** Lubricating oils

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

Industrial use, professional use.

### 1.3 Details of the supplier of the substance or mixture

**Manufacturer/Supplier** : Tüpraş

**Address** : Türkiye Petrol Rafinerileri A.Ş. Genel Müdürlüğü KÖRFEZ/  
KOCAELİ

**Telephone** : +90 262 316 30 00

**Fax** : +90 262 316 30 10-11

**e-mail** : selcen.temeltopallar@tupras.com.tr  
yasin.ersoz@tupras.com.tr

### 1.4 Emergency Telephone Number

**Company Telephone** : +90 262 316 30 00

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of substance or mixture

Classification according to Regulation (EC) No 1272/2008

**Physical/Chemical Hazards:** Not classified.

**Human Health Hazards:** Not classified.

**Environmental Hazards** : Unlikely to be harmful to aquatic organisms.

### 2.2 Label Elements

No labelling applicable. (Regulation (EC) No 1272/2008)

### 2.3 Other hazards

The highly refined mineral oils contain <3 (w/w) DMSO extract according to IP 346

This Safety Data Sheet is in accordance with Regulation (EC) No 1907/2006 (REACH).

“Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions-Dimethyl sulphoxide extraction refractive index method”. The classification (H350) as a carcinogen need not apply.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substance

CAS NO	EINECS NO	Chemical Composition	% Conc.	Risk Phrases (Regulation (EC) No 1272/2008)
74869-22-0	278-012-2	Lubricating oils (contain less than 3% DMSO-extract)	100	Not classified.

#### 3.2 Mixtures

Not applicable.

### 4. FIRST-AID MEASURES

#### 4.1 Description of First Aid Measures

**Inhalation:** If inhalation of mists, fumes or vapour causes irritation to the nose or throat, or coughing, remove to fresh air. In case of irregular breathing or respiratory arrest provide artificial respiration. If symptoms persist obtain medical advice and have product container or label at hand.

**Skin Contact:** Wash skin thoroughly with plenty of water. Remove heavily contaminated clothing and wash underlying skin. If medical advice is needed, have product container or label at hand.

**Eye Contact:** Wash eye thoroughly with copious quantities of water, ensuring eyelids are held open. Obtain medical advice if any pain or redness develops or persists. If medical advice is needed, have product container or label at hand.

**Ingestion:** If contamination of the mouth occurs, wash out thoroughly with water. Except as a deliberate act, the ingestion or large amounts of product is unlikely. If it should occur, do not induce vomiting; obtain medical advice.

#### 4.2 Most important symptoms/effects, acute & delayed

**Inhalation:** Slightly irritating to respiratory system.

**Skin contact:** Slightly irritating to skin. Repeated exposure may cause skin dryness or cracking.

This Safety Data Sheet is in accordance with Regulation (EC) No 1907/2006 (REACH).

**Eye contact:** Slightly irritating to eyes.

**Ingestion:** Nausea.

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

Treat symptomatically.

### **5. FIRE-FIGHTING MEASURES**

#### **5.1 Extinguishing Media**

Use foam, dry powder, carbon dioxide and water fog. DO NOT USE water jets.

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

Combustion results toxic gases. Hazardous combustion products are carbon oxides, sulphur Oxides, nitrogen oxides, carbon monoxide.

#### **5.3 Advice for fire-fighters**

Ensure an escape path is always available from any fire. Use alcohol resistant foam, dry powder, water spray and sand. DO NOT USE water jets. Avoid spraying directly into storage containers because of the danger of boil-over. Fires in confined spaces should be dealt with by trained personnel wearing approved breathing apparatus.

### **6. ACCIDENTAL RELEASE MEASURES**

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

Wear suitable protective clothing, gloves and eye/face protection. In case of fire: Wear self-contained breathing apparatus. Emergency cooling must be provided. Remove product from area of fire.

#### **6.2 Environmental precautions**

Do not allow to enter into ground water, surface water or drains. Contaminated fire-fighting Water must be collected separately.

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

Recovery of large spillages should be effected by specialist personnel. Small and uncontained spillages should be absorbed with liquid-binding material and collected in suitable containers for disposal. Large spillages should be collected mechanically for disposal. Do not empty into drains or the aquatic environment.

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

Refer to sections 8 and 13.

This Safety Data Sheet is in accordance with Regulation (EC) No 1907/2006 (REACH).

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene and safety procedures. Ensure good ventilation and avoid as far as reasonably practicable the inhalation and contact with vapours.

Use personal protective equipment as required. Avoid contact with skin, eyes and clothes. Wash hands before breaks and immediately after using the product. Do not allow contact with soil, surface or ground water.

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

Store and dispense only in well ventilated areas away from heat and sources of ignition. Store and use only in equipment/containers designed for use with this product. Containers must be properly labelled and kept closed when not in use. Do not remove warning labels from containers.

Do not enter storage tanks without breathing apparatus unless the tank has been well ventilated. Oxidizing agents are incompatible materials. For containers, or container linings use mild steel, stainless steel. Some synthetic materials may be unsuitable for containers or container linings depending on the material specification and intended use. Compatibility should be checked with the manufacturer.

### 7.3 Specific end use

Except as provided in Section 1.2 is not required to offer any specific suggestions.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

Material	Exposure Limits
Lubricating oils (CAS 74869-22-0)	No appropriate occupational exposure limits.

### 8.2 Exposure controls

There is no appropriate occupational exposure limit for this material.

#### 8.2.1 Appropriate engineering controls

Ensure good ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

This Safety Data Sheet is in accordance with Regulation (EC) No 1907/2006 (REACH).

## 8.2.2 Personal protective precautions

### Personal protective equipment:

**Eyes:** Wear face visor or goggles in circumstances where eye contact can accidentally occur.

**Skin:** Wear suitable protective clothing. The entire protective clothing must be washed after use.

**Inhalation:** In case of insufficient ventilation, wear suitable respiratory equipment. In case of fire: Wear self-contained breathing apparatus.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

	Test Unit	Guarantee	Test Method
Physical state		Liquid	Visual inspection
Colour		2.5 (light straw)	ASTM D1500
Odour		Hydrocarbon	
Boiling range	°C	440-580	ASTM D86
Relative Density (at 15°C)	g/cm <sup>3</sup>	0.88-0.90	ASTM D1298
Flash point, min	°C	240	ASTM D93
Viscosity, min (at 100°C)	cSt	10.4-11.6	ASTM D445
Pour point, max	°C	-6	ASTM D97

### 9.2 Other Information

No relevant additional information available.

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

In case of combustion, CO<sub>2</sub>, SO<sub>2</sub>, NOX, CO may form.

### 10.2 Chemical Stability

Stable under normal conditions.

This Safety Data Sheet is in accordance with Regulation (EC) No 1907/2006 (REACH).

### 10.3 Possibility of Hazardous Reactions

No data available.

### 10.4 Conditions to avoid

No data available.

### 10.5 Incompatible materials

Strong oxidising agents.

### 10.6 Hazardous decomposition products

Thermal decomposition products will vary with conditions.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

**Acute toxicity** : Not classified

**Skin corrosion/irritation** : Not classified

**Serious eye damage/irritation** : Not classified

**Respiratory or skin sensitization** : Not classified

**Germ cell mutagenicity** : Not classified

**Carcinogenity** : Not classified

**Reproductive toxicity** : Not classified

**Specific target organ toxicity (single exposure)** : Not classified

**Specific target organ toxicity (repeated exposure)** : Not classified

## 12. ECOLOGIAL INFORMATION

### 12.1 Toxicity

In case of large spills the product may be hazardous to aquatic organisms due to possible formation of a film on the surface water which can diminish dissolved oxygen levels.

### 12.2 Persistence and degradability

No data available.

### 12.3 Bioaccumulative potential

No data available.

This Safety Data Sheet is in accordance with Regulation (EC) No 1907/2006 (REACH).

#### 12.4 Mobility in soil

No data available.

#### 12.5 Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

#### 12.6 Other adverse effects

No data available.

### 13. DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

Do not allow contact with soil, surface or ground water. Dispose of empty containers and wastes safely. Dispose this material and its container to hazardous or special waste collection point. Disposal must be done according to official regulations.

### 14. TRANSPORT INFORMATION

**ADR** : Not regulated as dangerous goods for transport under ADR

**RID** : Not regulated as dangerous goods for transport under RID

**IMDG** : Not regulated as dangerous goods for transport under IMO

**IATA/ICAO** : Not regulated as dangerous goods for transport under IATA/ICAO

### 15. REGULATORY INFORMATION

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

The contents and format of this SDS are in accordance with EEC Commission Directive 1272/2008/EC (CLP) and EEC Commission Regulation 1907/2006/EC (REACH).

#### 15.2 National Regulations

This Safety Data Sheet is accordance with "Regulation on Safety Data Sheets regarding the Hazardous Substances and Mixtures" published on 13 December 2014 on the official Gazette with No:29204.

### 16. OTHER INFORMATION

#### 16.1 Other Information

The information presented about health, safety and environment issues in this safety data sheet was given by considering of best knowledge and reliable sources at the date of its preparation. Although maximum effort was shown, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof.

This Safety Data Sheet is in accordance with Regulation (EC) No 1907/2006 (REACH).

Health and safety precautions and environmental advice noted in this data sheet may not be accurate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission, recommendation or authorization given or implied to practise any patented invention without a valid licence. The TÜPRAŞ shall not be responsible for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the material.

**Abbreviations :**

- REACH : European Regulation on Registration, Evaluation, Authorisation and Restriction of Chemicals
- ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road
- RID : Regulations Concerning the International Transport of Dangerous Goods by Rail
- IMDG : International Maritime Code for Dangerous Goods
- IMO : International Maritime Organization
- ICAO : International Civil Aviation Organization
- IATA : International Air Transport Association
- CLP : Classification, Labelling and Packaging Regulation according to 1272/2008/EC
- IMDG : International Maritime Dangerous Goods
- IATA : International Air Transport Association

**16.2 Related Person**

Competent Person Accreditation no: TSE GBF-A-0-2828