

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 : Spindle Base Oil

CAS No : 74869-22-0

EC No : 278-012-2

REACH Registration No: 01-2119495601-36

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

Adress : Türkiye Petrol Rafinerileri A.Ş. Genel Müdürlüğü ŞİŞLİ, İSTANBUL

Telephone : +90 212 878 90 00

Fax : +90 212 211 30 81 - 82

e-mail : ezgi.ozturk@tupras.com.tr

selcen.temeltopallar@tupras.com.tr

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1.4 Emergency Telephone Number

Company Telephone : +90 212 878 90 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: Not classified.

2.2 Label Elements

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

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2.3 Other hazards

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

“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 Substances

CAS NO	EINECS NO	Chemical Composition	% Conc.	Classification (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 and effects, both acute and delayed

Inhalation: Slightly irritating to respiratory system.

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

Eye contact: Slightly irritating to eyes.

Ingestion: Nausea.

4.3 Indication of any 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.

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6.4 Reference to other sections

Refer to sections 8 and 13.

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.

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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.

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	-	1.5 (light straw)	ASTM D1500
Odour	-	Hydrocarbon	-
Boiling range	°C	370-470	ASTM D86
Relative Density (at 15°C)	g/cm ³	0.85-0.88	ASTM D1298
Flash point, min	°C	180	ASTM D93
Viscosity, min (at 100°C)	cSt	3.2-4.0	ASTM D445
Pour point, max	°C	-12	ASTM D97
Partition coefficient	-	No information available.	-
Initial boiling point and range	-	No information available.	-
Explosive properties	-	No information available.	-
Oxidising properties	-	No information available.	-

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9.2 Other Information

No relevant additional information available.

10. STABILITY AND REACTIVITY

10.1 Reactivity

In case of combustion, CO₂, SO₂, NOX, CO may form.

10.2 Chemical Stability

Stable under normal conditions.

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 hazard classes as defined in Regulation (EC) No 1272/2008

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
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not available.

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11.2 Information on other hazards

No information available.

12. ECOLOGICAL 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.

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 Endocrine disrupting properties

No information available.

12.7 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

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15. REGULATORY INFORMATION

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

Commission Regulation (EU) 2020/878 of 18 June 2020.

Health and Safety at Work etc. Act 1974 (as amended).

EH40/2005 Workplace exposure limits.

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Restrictions (Annex XVII Regulation 1907/2006)

No specific restrictions on use are known for this product.

Seveso Directive - Control of major accident hazards

Not relevant.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

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. 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

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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

Revision

SDS has been rearranged in accordance with the current regulation provisions. The specified sections of this SDS differ from the previous revision: 2, 8, 9, 11, 14, 15, 16.

Issued by

Accreditation no: KDU-A-0-0061