



SAFETY DATA SHEET COMPRESSOR OIL SP 46

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.
Commission Regulation (EU) 2020/878 of 18 June 2020.

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

1.1. Product identifier

Product name COMPRESSOR OIL SP 46
Product number 22171

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

Identified uses Air and cooling compressor oil.
Uses advised against This product must not be used outside of the practices recommended in Section 1 without prior advice from the supplier.

1.3. Details of the supplier of the safety data sheet

Supplier PETROL OFİSİ A.Ş.
Ünalan Mahallesi, Libadiye Caddesi No: 82F Kat: 2-3-4, 34700 Üsküdar/ İstanbul
Tel: +90 850 339 1919
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Manufacturer PETROL OFİSİ A.Ş.
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Tel: +90 850 339 1919
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madeniyag@petrolofisi.com.tr

1.4. Emergency telephone number

Emergency telephone Madeni Yağ Customer Services: 0850 339 1919 (working hours)
National emergency telephone number Emergency Medical Services: 112 National Poison Consultance Center: 114

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified
Health hazards Not Classified
Environmental hazards Not Classified

2.2. Label elements

Hazard statements EUH208 Contains Aryl amine. May produce an allergic reaction.
Precautionary statements P401 Store in accordance with international regulations.

2.3. Other hazards

COMPRESSOR OIL SP 46

Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Occasionally open and close eyelids during the wash process. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if symptoms are severe or persist after washing.
Protection of first aiders	First aid personnel should wear appropriate protective equipment during any rescue. It may be dangerous for first aid personnel to carry out mouth-to-mouth resuscitation.

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

General information	See Section 11 for additional information on health hazards.
Inhalation	No specific symptoms known.
Ingestion	No specific symptoms known.
Skin contact	May cause skin sensitisation or allergic reactions in sensitive individuals.
Eye contact	No specific symptoms known.

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

Notes for the doctor	No specific treatment. Treat symptomatically.
Specific treatments	Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Water spray, foam, dry powder or carbon dioxide.
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	Not known. Cool closed containers exposed to fire with water spray.
Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO ₂). Carbon monoxide (CO). Smoke and irritating vapours as products of incomplete combustion.

5.3. Advice for firefighters

Protective actions during firefighting	No action shall be taken without appropriate training or involving any personal risk. Use water to keep fire exposed containers cool and disperse vapours. Dispose of fire debris and contaminated fire-fighting water in accordance with applicable legal legislation.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Use special protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Ensure procedures and training for emergency decontamination and disposal are in place. No smoking, sparks, flames or other sources of ignition near spillage. Do not touch or walk into spilled material.
For non-emergency personnel	Necessary precautions should be taken to ensure that non-educated personnel do not intervene.

COMPRESSOR OIL SP 46

For emergency responders Notification: In case of spillage, notify the local authorities as appropriate or as necessary. Wear protective clothing as shown in section 8 of this safety data sheet. Stop the leakage source if it can be done without risk. Limit spillage to prevent further contamination of soil, surface or ground water. Remove any spilled material as soon as possible by following the precautions in the section Exposure Controls / Personal Protection. Use suitable techniques such as non-flammable absorbent materials or pumping. When possible or appropriate, remove the contaminated soil from the area. Place contaminated products in disposable boxes and dispose of in accordance with regulations. If a heated material is spilled, allow it to cool before handling with disposal methods.

6.2. Environmental precautions

Environmental precautions Apply protective methods to prevent spilled material from entering into water sources, water channels, sewers and soil. Environmental manager must be informed of all major spillages.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Large spill : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water sources, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may be pose the same hazard as the spilled product. Small spill : Stop leak if without risk. Move containers from spill area. Absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. See Section 1 for emergency contact information. For waste disposal, see Section 13. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions For personal protection, see Section 8. Do not ingest. Avoid contact with skin, eyes and clothing. Do not breathe gas, fume, vapours or spray. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Product residues retained in emptied containers can be hazardous. Do not reuse empty containers. Take precautionary measures against static discharge. Do not eat, drink or smoke when using this product. This product is not to be used under conditions of poor ventilation. Keep away from heat, sparks and open flame. Container must be kept tightly closed when not in use.

Advice on general occupational hygiene Persons susceptible to allergic reactions should not handle this product. Do not eat, drink or smoke when using this product. Eye wash facilities and emergency shower must be available when handling this product. Remove contaminated clothing and protective equipment before entering eating areas. Protect from sunlight.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in accordance with national regulations. Store in a well-ventilated appropriate place. Store away from incompatible materials (see Section 10). The container is not designed to contain pressure. Do not apply pressure to discharge the container otherwise it may rupture with explosive force. Empty containers may contain product residue and it can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks, static electricity or other sources of ignition. Containers should be drained completely and disposed of properly. Store in a demarcated bunded area to prevent release to drains and/or watercourses. Store in accordance with national regulations.

COMPRESSOR OIL SP 46

Storage class Not applicable.

7.3. Specific end use(s)

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

Usage description The product must be used as specified in the data sheet.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

There is no available data.

Ingredient comments

If this product contains a component with exclusion limits, to determine the effectiveness of ventilation and other control measures; and / or the necessity of the use of respiratory protective devices, the working environment or biological measurement and monitoring of employees may be required. The European Standard EN 689 and the relevant national guidelines should be taken as reference for the detection methods for assessing exposure to inhalation of chemicals of hazardous substances.

Biological limit values

There is no available data.

DNEL

There is no available data.

DMEL

There is no available data.

PNEC

There is no available data.

lubricating oils (petroleum), C20-50, hydrotreated neutral oil based (CAS: 72623-87-1)

DNEL

TWA (sis): 5 mg/m³ , STEL (sis): 10 mg/m³ , TWAEV (sis): 5 mg/m³ , STEV (sis): 10 mg/m³ , TWA (solunabilir fraksiyon): 5 mg/m³

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

When determining engineering controls and when choosing personal protection equipment, consider the possible risks of this substance (see Section 2), appropriate exposure limits, business activities and other substances in the workplace. If engineering controls and work practices are not sufficient to prevent exposure to harmful levels of this substance, the use of personal protective equipment as described in this section is recommended.

Personal protection

Keep away from foodstuffs, beverages and foods. Instantly remove any soiled and impregnated garments. Wash hands during breaks and at the end of the work. Store protective clothing separately. Personal protective equipment (PPE) should meet recommended national standards. Check with PPE suppliers.

Eye/face protection

Wear chemical splash goggles.

Hand protection

For users with sensitive skin, it is recommended that suitable protective gloves are worn.

Other skin and body protection

Avoid contact with skin. Wear apron or protective clothing in case of contact.

COMPRESSOR OIL SP 46

Hygiene measures	Persons susceptible to allergic reactions should not handle this product. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.
Respiratory protection	Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible.
Thermal hazards	If there is a risk of contact with hot product, all protective equipment worn should be suitable for use with high temperatures.
Environmental exposure controls	Store in a demarcated bunded area to prevent release to drains and/or watercourses. Keep container tightly sealed when not in use. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Clear liquid.
Colour	Yellowish.
Odour	Odorless or slightly petroleum oil
Odour threshold	No information available.
pH	Not applicable.
Melting point	No information available.
Initial boiling point and range	No information available.
Flash point	250°C Cleveland open cup.
Evaporation rate	No information available.
Evaporation factor	No information available.
Flammability (solid, gas)	No information available.
Upper/lower flammability or explosive limits	No information available.
Other flammability	No information available.
Vapour pressure	No information available.
Vapour density	No information available.
Relative density	No information available.
Bulk density	~ 0,857 kg/m ³
Solubility(ies)	Insoluble in water.
Partition coefficient	No information available.
Auto-ignition temperature	No specific test data are available.
Decomposition Temperature	No specific test data are available.
Viscosity	41,4-50,6 cSt @ 40°C
Explosive properties	No specific test data are available.
Explosive under the influence of a flame	No suitable data is available.

COMPRESSOR OIL SP 46

Oxidising properties	No data available.
Comments	Information given is applicable to the product as supplied.
Particle characteristic	Not applicable
9.2. Other information	
Other information	No information required.
Refractive index	No information available.
Particle size	No information available.
Molecular weight	No information available.
Volatility	No information available.
Saturation concentration	No information available.
Critical temperature	No specific test data are available.
Volatile organic compound	No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No test data specifically related to reactivity available for this product or its ingredients.

10.2. Chemical stability

Stability The product is stable under recommended handling and storage conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions No hazardous reaction under normal conditions of storage and use.

10.4. Conditions to avoid

Conditions to avoid High temperature, spark and open flames.

10.5. Incompatible materials

Materials to avoid Strong reducing agents. Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products Decomposition products may contain the following materials: Carbon dioxide (CO₂). Carbon monoxide (CO).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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

Other health effects No relevant information available.

Toxicological effects Information given is based on data of the components and of similar products.

Acute toxicity - oral

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

COMPRESSOR OIL SP 46

Notes (oral LD₅₀)	Mineral oil: LD ₅₀ >5000 mg/kg, Oral, Rat Aryl amine: LD ₅₀ 1625 mg/kg, Oral, Rat Aryl triazole alkyl amine: LD ₅₀ 636 mg/kg, Oral, Rat lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based: LD ₅₀ >5000 mg/kg, Oral, Rat
<u>Acute toxicity - dermal</u>	
Summary	Based on the available data, the classification criteria are not met.
Notes (dermal LD₅₀)	Mineral oil: LD ₅₀ >5000 mg/kg, Dermal, Rabbit Aryl amine: LD ₅₀ >2000 mg/kg, Dermal, Rabbit Aryl triazole alkyl amine: LD ₅₀ 1190 mg/kg, Dermal, Rabbit lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based: LD ₅₀ >2000 mg/kg, Dermal, Rabbit
<u>Acute toxicity - inhalation</u>	
Summary	Basen on the available data, the classification criteria are not met.
Notes (inhalation LC₅₀)	Mineral oil: LC50 >5000 mg/m ³ , Inhalation, Rat lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based: LC50 5,2 mg/l, Inhalation, Rat
<u>Skin corrosion/irritation</u>	
Summary	Basen on the available data, the classification criteria are not met.
Skin corrosion/irritation	Based on available data the classification criteria are not met.
Animal data	Based on available data the classification criteria are not met.
Human skin model test	Based on available data the classification criteria are not met.
Extreme pH	Based on available data the classification criteria are not met.
<u>Serious eye damage/irritation</u>	
Summary	Based on available data, the classification criteria are not met.
Serious eye damage/irritation	Based on available data the classification criteria are not met.
<u>Respiratory sensitisation</u>	
Summary	Based on available data, the classification criteria are not met.
Respiratory sensitisation	Based on available data the classification criteria are not met.
<u>Skin sensitisation</u>	
Summary	Based on available data the classification criteria are not met.
Skin sensitisation	Based on available data the classification criteria are not met.
<u>Germ cell mutagenicity</u>	
Summary	Based on available data the classification criteria are not met.
Genotoxicity - in vitro	Based on available data the classification criteria are not met.
Genotoxicity - in vivo	Based on available data the classification criteria are not met.
<u>Carcinogenicity</u>	
Summary	Based on available data the classification criteria are not met.
Carcinogenicity	Based on available data the classification criteria are not met.
Target organ for carcinogenicity	No specific target organs known.
IARC carcinogenicity	Not listed.
NTP carcinogenicity	Not listed.
<u>Reproductive toxicity</u>	

COMPRESSOR OIL SP 46

Summary There is no test data indicating that this product has a toxic effect on the reproductive system.

Reproductive toxicity - fertility Based on available data the classification criteria are not met.

Reproductive toxicity - development Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

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

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

Target organs No specific target organs known.

Specific target organ toxicity - repeated exposure

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

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

Target organs No specific target organs known.

Aspiration hazard

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

Aspiration hazard Not anticipated to present an aspiration hazard, based on chemical structure. Product includes a compound which has aspiration toxicity.

Toxicokinetics No information is required.

General information Information given is based on data of the components and of similar products.

Inhalation There is no available data.

Ingestion There is no available data.

Skin contact There is no available data.

Eye contact There is no available data.

Acute and chronic health hazards There is not enough data.

Route of exposure There is no available data.

Target organs No specific target organs known.

Medical symptoms No specific tes data are available.

Medical considerations No specific tes data are available.

11.2 Information on other hazards

Information on other hazards No available information.

SECTION 12: Ecological information

Ecotoxicity The product contains a substance which is very toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

12.1. Toxicity

Toxicity Based on available data the classification criteria are not met.

Acute aquatic toxicity

COMPRESSOR OIL SP 46

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

Acute toxicity - fish Aryl amine:
LC₅₀, 96 hour: 0,44 mg/l, Fish
Aryl triazole alkyl amine:
LC₅₀, 96 hour: 1,3 ppm, Fish

Acute toxicity - aquatic invertebrates Aryl amine:
EC₅₀, 48 hour: 0,3 mg/l, Daphnia magna

Acute toxicity - aquatic plants Aryl amine:
EC₅₀, 72 hour: >0,25 mg/l, Algae

Acute toxicity - microorganisms No information required.

Acute toxicity - terrestrial No information required.

Chronic aquatic toxicity

Summary Based on available information, the classification criteria are not met.

Chronic toxicity - fish early life stage No information required.

Short term toxicity - embryo and sac fry stages No information required.

Chronic toxicity - aquatic invertebrates No information required.

Toxicity to soil No information required.

Toxicity to terrestrial plants No information required.

12.2. Persistence and degradability

Persistence and degradability Based on available data the classification criteria are not met.

Phototransformation Based on available data the classification criteria are not met.

Stability (hydrolysis) Based on available data the classification criteria are not met.

Biodegradation Based on available data the classification criteria are not met.

Biological oxygen demand Based on available data the classification criteria are not met.

Chemical oxygen demand Based on available data the classification criteria are not met.

12.3. Bioaccumulative potential

Bioaccumulative potential Based on available data the classification criteria are not met.

Partition coefficient No information available.

12.4. Mobility in soil

Mobility No information required.

Adsorption/desorption coefficient No information required.

Henry's law constant No information required.

Surface tension No information required.

12.5. Results of PBT and vPvB assessment

COMPRESSOR OIL SP 46

Results of PBT and vPvB assessment Not applicable.

12.6 Endocrine disrupting properties

Endocrine disrupting properties

12.6. Other adverse effects

Other adverse effects This product contains components that have a harmful effect on the aquatic environment. Do not allow to enter into soil, rivers or sewers.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information The generation of waste should be minimised or avoided wherever possible. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents.

Disposal methods Absorb in vermiculite, dry sand or earth and place into containers. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Waste class The waste code classification is to be carried out according to the European Waste Catalogue (EWC).

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

UN number or ID number

Not applicable.

14.2. UN proper shipping name

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

Maritime transport in bulk according to IMO instruments

COMPRESSOR OIL SP 46

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

National regulations	According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010 T. C. Environment and urban ministry, implementing Regulation on the Classification, Labeling and Packaging of Substances and Mixtures, No. 28848, dated December 11, 2013
EU legislation	https://echa.europa.eu
Guidance	Safety Data Sheets for Substances and Preparations.
Health and environmental listings	Hazardous ingredients are listed.

15.2. Chemical safety assessment

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet	<p>E.U. : European union DMSO: Dimethyl sulfoxide KKE: Personal protective equipment STEL: Short term exposure limit T.C. : Republic of Turkey TWA: Workplace exposure limits UZEM: National Poison Information Center ATE: Acute Toxicity Estimate. ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. CAS: Chemical Abstracts Service. DNEL: Derived No Effect Level. IATA: International Air Transport Association. IMDG: International Maritime Dangerous Goods. LC₅₀: Lethal Concentration to 50 % of a test population. LD₅₀: Lethal Dose to 50% of a test population (Median Lethal Dose). PBT: Persistent, Bioaccumulative and Toxic substance. REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006. vPvB: Very Persistent and Very Bioaccumulative. EC₅₀: 50% of maximal Effective Concentration.</p>
Classification abbreviations and acronyms	<p>Asp. Tox. = Aspiration hazard Aquatic Chronic = Hazardous to the aquatic environment (chronic) Acute Tox. = Acute toxicity Skin Sens. = Skin sensitisation Aquatic Acute = Hazardous to the aquatic environment (acute) Skin Corr. = Skin corrosion</p>

COMPRESSOR OIL SP 46

General information	Only trained personnel should use this material. This document contains important information to ensure the safe storage, handling and use of this product. The information in this document should be brought to the attention of the person in your organisation responsible for advising on safety matters. Uses and Restrictions : This product must not be used in applications other than those recommended in Section 1, without first seeking the advice of the supplier. This product is not to be used as a solvent or cleaning agent; for lighting or brightening fires; as a skin cleanser. MSDS Distribution : The information in this document should be made available to all who may handle the product. Disclaimer : This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.
Key literature references and sources for data	This SDS is prepared based on the information received from raw material suppliers.
Classification procedures according to Regulation (EC) 1272/2008	EUH208: Calculation method.
Training advice	Untrained personnel should not use.
Revision comments	Revised classification.
Issued by	Sena Ezgi Selçuk Chemical Assessment Specialist (Certificate No: KDU01.29.06 17.12.2027)
Revision date	04/04/2024
Revision	2
Supersedes date	01/06/2019
SDS number	20488
SDS status	Approved.
Hazard statements in full	H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H312 Harmful in contact with skin. H315 Causes skin irritation. H317 May cause an allergic skin reaction. 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. EUH208 Contains Aryl amine. May produce an allergic reaction.

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.