

SAFETY DATA SHEET COMPRESSOR OIL SP 68

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

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

1.1. Product identifier

Product name COMPRESSOR OIL SP 68

Product number 22172

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/ Istanbul

Tel: +90 850 339 1919 Fax: +90 216 275 3854 madeniyag@petrolofisi.com.tr

Contact person Customer Services: madeniyag@petrolofisi.com.tr

Manufacturer PETROL OFISI A.Ş.

Ünalan Mahallesi, Libadiye Caddesi No: 82F Kat: 2-3-4, 34700 Üsküdar/ Istanbul

Tel: +90 850 339 1919 Fax: +90 216 275 3854 madeniyag@petrolofisi.com.tr

1.4. Emergency telephone number

Emergency telephone Madeni Yağ Customer Services: 0850 339 1919 (working hours)

National emergency telephone National Poison Consultance Center: 114 Emergency Medical Services: 112

number

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

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Petroleum distillates <1% CAS number: -Classification

Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411

<1% Aryl amine

CAS number: -

M factor (Acute) = 1 M factor (Chronic) = 1

Classification

Acute Tox. 4 - H302 Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

Aril triazol alkil amin <1%

CAS number: -

Classification

Acute Tox. 4 - H302 Acute Tox. 4 - H312 Skin Irrit. 2 - H315 Skin Sens. 1B - H317

Aquatic Chronic 2 - H411

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

The DMSO contents of some substances are classified by the manufacturer as <3% Composition comments

according to IP 346.

Ingredient notes See Section 8 for occupational exposure limits.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information Personal protective equipment should be used to minimize first-aid treatment.

Inhalation Move affected person to fresh air at once. When breathing is difficult, properly trained

personnel may assist affected person by administering oxygen. If in doubt, get medical

attention promptly.

Ingestion Rinse mouth thoroughly with water. Stop if the affected person feels sick as vomiting may be

dangerous. Never give anything by mouth to an unconscious person. If in doubt, get medical

attention promptly.

Skin contact Take off immediately all contaminated clothing and wash it before reuse. Wash skin

thoroughly with soap and water or use an approved skin cleanser. Get medical attention if

irritation persists after washing.

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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.

InhalationNo specific symptoms known.IngestionNo 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

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 (CO2). 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.

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.

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.

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



PNEC









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.

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.

Odorless or slightly petroleum oil

Odour threshold No information available.

pH Not applicable.Melting point Not applicable.

Initial boiling point and range No information available.

Flash point 252°C Cleveland open cup.

Evaporation rate
 Evaporation factor
 Flammability (solid, gas)
 Upper/lower flammability or
 No information available.
 No information available.

explosive limits

Other flammability

No information available.

Vapour pressure

No information available.

Vapour density

No information available.

Relative density

No information available.

Bulk density

No information available.

Solubility(ies) Insoluble in water.

Partition coefficient No information available.

Auto-ignition temperature No information available.

Decomposition Temperature No information available.

Viscosity 61,2-74,8 cSt @ 40°C

Explosive properties No information available.

Explosive under the influence

of a flame

No suitable data is available.

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Oxidising properties No data available.

Comments Information given is applicable to the product as supplied.

9.2. Other information

Other informationNo information required.Refractive indexNo information available.Particle sizeNo information available.

Molecular weight No information available.

Volatility No information available.

Saturation concentration No information available.

Critical temperature No information 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

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

Other health effects No relevant information available.

Acute toxicity - oral

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

Notes (oral LD₅o) Mineral oil: LD₅o >5000 mg/kg, Oral, Rat Aryl amine: LD₅o 1625 mg/kg, Oral, Rat Aryl triazole

alkyl amine: LD₅ 636 mg/kg, Oral, Rat lubricating oils (petroleum), C20-50, hydrotreated

neutral oil-based: LD₅o >5000 mg/kg, Oral, Rat

Acute toxicity - dermal

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

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Notes (dermal LD₅o) Mineral oil: LD₅o >5000 mg/kg, Dermal, Rabbit Aryl amine: LD₅o >2000 mg/kg, Dermal, Rabbit

Aryl triazole alkyl amine: LD₅₀ 1190 mg/kg, Dermal, Rabbit lubricating oils (petroleum), C20-

50, hydrotreated neutral oil-based: LD₅₀ >2000 mg/kg, Dermal, Rabbit

Acute toxicity - inhalation

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

Notes (inhalation LC₅₀) Mineral oil: LC50 >5000 mg/m³, Inhalation, Rat lubricating oils (petroleum), C20-50,

hydrotreated neutral oil-based: LC50 5,2 mg/l, Inhalation, Rat

Skin corrosion/irritation

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.

Serious eye damage/irritation

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.

Respiratory sensitisation

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

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

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

Skin sensitisation Based on available data the classification criteria are not met.

Germ cell mutagenicity

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

Genotoxicity - in vitroBased on available data the classification criteria are not met.

Genotoxicity - in vivoBased on available data the classification criteria are not met.

Carcinogenicity

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.

Reproductive toxicity

NTP carcinogenicity

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.

Not listed.

Reproductive toxicity -

Based on available data the classification criteria are not met.

development

Specific target organ toxicity - single exposure

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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 toxicitiy.

Toxicokinetics No information is required.

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

InhalationThere is no available data.IngestionThere is no available data.Skin contactThere is no available data.Eye contactThere 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.

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

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 Aryl amine:

invertebrates EC₅₀, 48 hour: 0,3 mg/l, Daphnia magna

Acute toxicity - aquatic plants Aryl amine:

EC₅₀, 72 hour: >0,25 mg/l, Algae

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Acute toxicity - No information

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

Results of PBT and vPvB

Not applicable.

assessment

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

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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

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

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 According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No

453/2010

T. C. Environment and urban ministry, mplementing 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

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Abbreviations and acronyms used in the safety data sheet

E.U.: European union DMSO: Dimethyl sulfoxide

KKE: Personal protective aquipment 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.

LD₅o: 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.

Classification abbreviations and acronyms

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

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 This is the first issue.

Issued by Sevda ŞAHAN Certified Safety Data Sheet Preparer (Certificate Id:GBF01.23.08;Dates:

03.11.2018-03.11.2021)

Revision date 01/06/2019

Revision 0

Supersedes date 01/06/2019

SDS number 20487

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.