



SAFETY DATA SHEET MAXIGEAR EP-X 80W-90

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 MAXIGEAR EP-X 80W-90

Product number 14405

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

Identified uses Automotive Gear 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
Fax: +90 216 275 3854
madeniyag@petrolofisi.com.tr

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

1.4. Emergency telephone number

Emergency telephone Madeni Yağ Müşteri Hizmetleri: 0850 339 19 19 (mesai saatleri)

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 Skin Sens. 1 - H317

Environmental hazards Not Classified

2.2. Label elements

Hazard pictograms



Signal word Warning

Hazard statements H317 May cause an allergic skin reaction.

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Precautionary statements	<p>P261 Avoid breathing vapour/ spray.</p> <p>P272 Contaminated work clothing should not be allowed out of the workplace.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P321 Specific treatment (see medical advice on this label).</p> <p>P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
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Contains Long chain alkyl amine

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Distillates (petroleum), hydrotreated heavy paraffinic	60-80%
CAS number: 64742-54-7 EC number: 265-157-1 REACH registration number: 01-2119484627-25-0033	
Classification	
Not Classified	
Değiştirilebilen nötr yağlar	1-5%
CAS number: —	
Classification	
Asp. Tox. 1 - H304	
Long chain alkyl amine	<1%
CAS number: —	
M factor (Acute) = 1 M factor (Chronic) = 1	
Classification	
Acute Tox. 4 - H302 Acute Tox. 3 - H311 Acute Tox. 2 - H330 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1A - H317 STOT SE 3 - H335 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	
Alkyl dithio thiadiazole	<1%
CAS number: —	
Classification	
Aquatic Chronic 3 - H412	

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Alkyl phosphate	<1%
CAS number: —	
Classification	
Skin Corr. 1B - H314	
Eye Dam. 1 - H318	
Aquatic Chronic 3 - H412	
Long chain alkenyl amine	<1%
CAS number: 112-90-3	
EC number: 204-015-5	
M factor (Acute) = 1	
M factor (Chronic) = 10	
Classification	
Acute Tox. 4 - H302	
Skin Corr. 1B - H314	
Eye Dam. 1 - H318	
STOT SE 3 - H335	
STOT RE 2 - H373	
Asp. Tox. 1 - H304	
Aquatic Acute 1 - H400	
Aquatic Chronic 1 - H410	

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

Composition comments	Some substances are not classified by legislation. They are self classified by the manufacturer. The DMSO extract by IP 346 of the oil is less than 3%
Ingredient notes	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.

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. If symptoms persist, they require medical intervention.
Inhalation	Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.
Ingestion	Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.
Skin contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.
Protection of first aiders	First aid personnel should wear appropriate protective equipment during any rescue.

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

General information	Treat symptomatically. See Section 11 for additional information on health hazards.
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Inhalation	No specific symptoms known.
Ingestion	No specific symptoms known.
Skin contact	May cause an allergic skin reaction.
Eye contact	No specific symptoms known.

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

Notes for the doctor	Treat symptomatically.
Specific treatments	Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.
Unsuitable extinguishing media	Do not use the following: Water.

5.2. Special hazards arising from the substance or mixture

Specific hazards	Not known.
Hazardous combustion products	Carbon dioxide (CO ₂). Carbon monoxide (CO). Oxides of nitrogen. Sulphur oxides. Oxides of sulphur. A complex mixture of airborne solids, liquids and gases can be released. Unidentified organic or inorganic compounds.

5.3. Advice for firefighters

Protective actions during firefighting	Avoid breathing fire gases or vapours.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet.
For non-emergency personnel	Necessary precautions should be taken to ensure that non-educated personnel do not intervene.
For emergency responders	Wear protective clothing as shown in section 8 of this safety data sheet. Notification: In case of spillage, notify the local authorities as appropriate or as necessary. 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	Avoid discharge into drains or watercourses or onto the ground.
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6.3. Methods and material for containment and cleaning up

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Methods for cleaning up Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.4. Reference to other sections

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

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Avoid contact with skin and eyes.

Advice on general occupational hygiene Do not eat, drink or smoke when using this product. Eye wash facilities and emergency shower must be available when handling this product. Good personal hygiene procedures should be implemented.

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 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.

Distillates (petroleum), hydrotreated heavy paraffinic

Oil mist: TWA: 5 mg/m³ (ACGIH). In no case should this limit be exceeded or the local limit, if it is more restrictive.

Ingredient comments There is no available data.

DNEL Long chain alkyl amine:
Consumer - Oral; : 0,35 mg/kg, bw/day
Long chain alkenyl amine:
Workers - Dermal; : 0,09 mg/kg, bw/day
Consumer - Oral; : 0,04 mg/kg, bw/day

DMEL There is no available data.

PNEC There is no available data.

Highly refined mineral oil (CAS: 64742-01-4)

Ingredient comments Oil Mist TWA: 5 mg /m³ (ACGIH).

8.2. Exposure controls

Protective equipment



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Appropriate engineering controls	Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.
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	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	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.
Other skin and body protection	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene measures	Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.
Respiratory protection	No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.
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	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. Store in a demarcated bunded area to prevent release to drains and/or watercourses.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Brown.
Odour	Characteristic.
Odour threshold	No information available.
pH	Scientifically unjustified.
Melting point	No information available.
Initial boiling point and range	No information available.
Flash point	224°C OC (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.

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Hazardous decomposition products Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂). Oxides of nitrogen. Sulfur oxides. Phosphor oxides. Methacrylates. Oil vapors in case of overheating.

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 LD₅₀) Long chain alkyl amine: LD₅₀ 612 mg/kg, Oral, Rat Mineral oil: LD₅₀ >5000 mg/kg, Oral, Rat Alkyl dithio thiadiazole: LD₅₀ >10000 mg/kg, Oral, Rat Long-chain alkenyl amine: LD₅₀ 1689 mg/kg, Oral, Rat Mineral oil: LD₅₀ >2000 mg/kg, Oral,

Acute toxicity - dermal

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

Notes (dermal LD₅₀) Mineral Oil: LD₅₀ >2000 mg/kg, Dermal, Long chain alkyl amine: LD₅₀ 251 mg/kg, Dermal, Rat Alkyl dithio thiadiazole: LD₅₀ >2000 mg/kg, Dermal, Rabbit Mineral Oil: LD₅₀ >5000 mg/kg, Dermal, Rabbit

ATE dermal (mg/kg) 133,689.84

Acute toxicity - inhalation

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

Notes (inhalation LC₅₀) Long-chain alkyl amine: LC₅₀ 1,19 mg/l, Inhalation, Rat Mineral oil: LC₅₀ >5000 (4 h) mg/m³, Inhalation, Rat Alkyl dithio thiadiazole: LC₅₀ >2,75 (4 h) mg/l, Inhalation, Rat

ATE inhalation (vapours mg/l) 222.82

Skin corrosion/irritation

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

Skin corrosion/irritation May cause sensitisation or allergic reactions.

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 Vapors may cause irritation.

Respiratory sensitisation

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

Respiratory sensitisation No information available.

Skin sensitisation

Summary Based on available data, the classification criteria are met.

Skin sensitisation May cause sensitisation or allergic reactions in sensitive individuals.

Germ cell mutagenicity

Summary It is not expected to cause genetic damage in the light of current data.

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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	The base oils in the product content contain less than 3% DMSO according to IP 346.
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>	
Summary	There is no test data indicating that this product has a toxic effect on the reproductive system.
Reproductive toxicity - fertility	No information required.
Reproductive toxicity - development	No information is required.
<u>Specific target organ toxicity - single exposure</u>	
Summary	Based on the available data, the classification criteria are not met.
STOT - single exposure	The following components in this product have specific target organ toxicity: Long-chain alkenyl amine Long-chain alkyl amine
Target organs	Respiratory tract
<u>Specific target organ toxicity - repeated exposure</u>	
Summary	Based on the available data, the classification criteria are not met.
STOT - repeated exposure	The following components in this product have specific target organ toxicity. Long-chain alkenyl amine
Target organs	No specific target organs known.
<u>Aspiration hazard</u>	
Summary	Based on available data, the classification criteria are not met.
Aspiration hazard	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	Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing.
Ingestion	May cause discomfort if swallowed.
Skin contact	Liquid may irritate skin.
Eye contact	May cause temporary eye irritation.
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.

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Medical symptoms No specific tes data are available.

Medical considerations No specific tes data are available.

SECTION 12: Ecological information

Ecotoxicity Not regarded as dangerous for the environment.

12.1. Toxicity

Toxicity There is not enough data.

Acute aquatic toxicity

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

Acute toxicity - fish Long-chain alkenyl amine:
LC₅₀, 96 hours: 0,11 mg/l, Fish

Acute toxicity - aquatic invertebrates Long chain alkenyl amine:
EC₅₀, 48 hours: 0,011 mg/l, Daphnia magna

Acute toxicity - aquatic plants Long chain alkenyl amine:
EC₅₀, 96 hours: 0,03 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 There is not enough data.

Toxicity to terrestrial plants There is not enough data.

12.2. Persistence and degradability

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

Phototransformation No information available.

Stability (hydrolysis) No information available.

Biodegradation No information available.

Biological oxygen demand No information available.

Chemical oxygen demand No information available.

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

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Mobility	The product is immiscible with water and will spread on the water surface.
Adsorption/desorption coefficient	No information available.
Henry's law constant	No information available.
Surface tension	No information available.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	Not applicable.
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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.
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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 of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements.
Disposal methods	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).
Road transport notes	Not classified.
Rail transport notes	Not classified.
Sea transport notes	Not classified.
Air transport notes	Not classified.

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.

Transport labels

No transport warning sign required.

14.4. Packing group

Not applicable.

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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 Annex II of MARPOL 73/78 and the IBC Code Not applicable.

Not applicable.

SECTION 15: Regulatory information

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

National regulations The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

Guidance Workplace Exposure Limits EH40.
CHIP for everyone HSG228.
Approved Classification and Labelling Guide (Sixth edition) L131.
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

E.U. : European union
DMSO: Dimethyl sulfoxide
STEL: Short term exposure limit
KKE: Personal protective equipment
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.
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.
EC₅₀: 50% of maximal Effective Concentration.

MAXIGEAR EP-X 80W-90**Classification abbreviations and acronyms**

Skin Corr. = Skin corrosion
 Skin Sens. = Skin sensitisation
 Eye Dam. = Serious eye damage
 Aquatic Chronic = Hazardous to the aquatic environment (chronic)
 Acute Tox. = Acute toxicity
 Skin Irrit. = Skin irritation
 STOT SE = Specific target organ toxicity-single exposure
 STOT RE = Specific target organ toxicity-repeated exposure
 Aquatic Acute = Hazardous to the aquatic environment (acute)
 Asp. Tox. = Aspiration hazard

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

Source: European Chemicals Agency, <http://echa.europa.eu/> This SDS is prepared based on the information received from raw material suppliers.

Classification procedures according to Regulation (EC) 1272/2008

Skin Sens. 1 - H317: Calculation method., Supplier information

Training advice

Untrained personnel should not use.

Revision comments

Revised formulation.

Issued by

Sevda ŞAHAN Certified Safety Data Sheet Preparer (Certificate Id:GBF01.23.08;Dates: 03.11.2018-03.11.2021)

Revision date

14/06/2019

Revision

3

Supersedes date

17/06/2011

SDS number

10391

SDS status

Approved.

Hazard statements in full

H302 Harmful if swallowed.
 H304 May be fatal if swallowed and enters airways.
 H311 Toxic in contact with skin.
 H314 Causes severe skin burns and eye damage.
 H317 May cause an allergic skin reaction.
 H318 Causes serious eye damage.
 H330 Fatal if inhaled.
 H335 May cause respiratory irritation.
 H400 Very toxic to aquatic life.
 H410 Very toxic to aquatic life with long lasting effects.
 H412 Harmful to aquatic life with long lasting effects.
 H373 May cause damage to organs through prolonged or repeated exposure if swallowed or if inhaled.

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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.