



SAFETY DATA SHEET FULLGEAR LS 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 FULLGEAR LS 80W-90

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

Identified uses Automotive Gear oil. For specific application advice see appropriate Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Supplier OPET FUCHS MADENİ YAĞ SAN. ve TİC. A.Ş.
Atatürk Organize Sanayi Bölgesi 10006 Sok.
No:12 35620 Çiğli/İZMİR
Tel: +90 232 376 78 38
Fax: +90 232 376 78 39

1.4. Emergency telephone number

Emergency telephone UZEM (National Poison Consultancy Center): 114
Emergency Health Service:112

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 Aquatic Chronic 2 - H411

2.2. Label elements

Pictogram



Signal word Warning

Hazard statements
H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.

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Oleylamine; (Z)-octadec-9-enylamine	<1%
CAS number: 112-90-3	EC number: 204-015-5
M factor (Acute) = 10	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 Note L: The product contain special performance additives and base oils which are considered to be severely refined and not considered to be carcinogenic. All of the base oils in the product have been demonstrated to contain less than 3% (w/w) dimethyl sulfoxide extract by the IP 346 test.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Change clothes and shoes contaminated or soaked by product. Never put rags contaminated by product into cloth-pockets. Get medical attention if any discomfort continues. Not expected to give rise to an acute hazard under normal conditions of use.
Inhalation	Remove affected person from source of contamination and immediately take outside to fresh air. Consult a doctor if any discomfort continues.
Ingestion	IF SWALLOWED: Rinse mouth thoroughly with water. Get medical attention immediately. Do not induce vomiting unless under the direction of medical personnel. Never give anything by mouth to an unconscious person. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Show this Safety Data Sheet to the medical personnel.
Skin contact	Remove affected person from source of contamination. Remove contaminated clothing immediately and wash skin with soap and water. Continue to rinse for at least 15 minutes. Brush off loose particles from skin. If adhesive bonding occurs, do not force skin apart. Get medical attention.
Eye contact	Do not rub eye. Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if symptoms are severe or persist after washing.
Protection of first aiders	Wash contaminated clothing thoroughly with water before removing it from the affected person, or wear gloves.

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

Inhalation	No specific symptoms known.
Ingestion	No specific symptoms known.
Skin contact	No specific symptoms known.
Eye contact	No specific symptoms known.

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

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Notes for the doctor Symptomatic treatment should be applied. In case of excessive inhalation of the product vapor may lead to lung inflammation (chemical pneumonitis). Dermatitis may result from prolonged or repeated exposure.

Specific treatments Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Use Film-Making Foam Concentrate (A.F.F.F.) to extinguish the burning product. If not available, extinguish with dry chemical powder due to the size of fire. If the product is in pressurized container, cool with water spray jet.

Unsuitable extinguishing media During a fire, DO NOT extinguish by applying pressurized water and water jet directly on the burning product. Use water fog to cool down.

5.2. Special hazards arising from the substance or mixture

Specific hazards This product is not explosive. Do not heat up near flash point.

Hazardous combustion products In case of fire toxic and corrosive gases may form. These gases: Carbon dioxide, carbon monoxide, sulphur oxides, phosphorus oxides, metal oxides

5.3. Advice for firefighters

Protective actions during firefighting In case of fire, shut off flow if it can be done without risk. Stop leak if safe to do so. Move undamaged containers from fire area if it can be done without risk. Prevent the burning product from entering into drainage system to avoid release of the product. To prevent spreading of the product build-up binders or barriers by using non-burning material such as sand. Use air-supplied respirators to protect against gases/fumes in case of fire-fighting.

Special protective equipment for firefighters Fire-fighting should be done by trained personnel. Special protective full-clothing, air-supplied respirator, gloves and protective goggles should be worn. Dry chemical sand used for fire extinguishing and other fire extinguishing equipment should meet the national and international standards.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions In case of spills, beware of slippery floors and surfaces. Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation. For personal protection, see Section 8. Do not smoke, use open fire or other sources of ignition. Wear protective gloves and (in case of splashes) goggles/face shield too.

6.2. Environmental precautions

Environmental precautions Avoid release to the environment. Avoid discharge into drains, water courses or onto the ground. To prevent release, place container with damaged side up. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to local appropriate regulatory body. Empty container contains product residue which may exhibit hazards of product.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Large Spillages: Stop leak if possible without risk. DO NOT touch spilled material! Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13. Avoid the spillage or runoff entering drains, sewers or watercourses. Inform authorities if large amounts are involved. Small Spillages: Stop leak if possible without risk. Dam and absorb spillage with sand, sawdust or other absorbent. Absorb in vermiculite, dry sand or earth and place into containers. Dispose of via an authorised person/licensed waste disposal contractor in accordance with local regulations.

6.4. Reference to other sections

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Reference to other sections For handling and storage, see section 7. For personal protection, see Section 8. 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 Provide adequate ventilation. Container must be kept tightly closed when not in use. Protect against direct sunlight. Do not heat up the product near flash point. Avoid spilling, skin and eye contact. Avoid eating, drinking and smoking when using the product. Persons susceptible to allergic reactions should not handle this product.

Advice on general occupational hygiene Wash after use and before eating, smoking and using the toilet. Take off contaminated clothing and wash it before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in a demarcated bunded area to prevent release to drains and/or watercourses. Store in accordance with local regulations. Store in tightly-closed, original container in a dry, cool and well-ventilated place. Protect from freezing and direct sunlight. Store in closed original container at temperatures between 0°C and 50°C. Keep away from food, drink and animal feeding stuffs.

Storage class Not special storage precautions required.

7.3. Specific end use(s)

Usage description For containers or container linings, use mild steel or high density polyethylene (HDPE). For containers or container linings, avoid PVC. Polyethylene containers should not be exposed to high temperatures because of possible risk distortion.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Ingredient comments No exposure limits known for ingredient(s).

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of vapours. In case of insufficient ventilation, wear suitable respiratory equipment. Observe any occupational exposure limits for the product or ingredients.

Personal protection

In case of splashing or scattering, wear protective oil-resistant or chemical-resistant clothing.

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.

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Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It is recommended that gloves are made of the following material: Nitrile rubber. It should be noted that liquid may penetrate the gloves. Frequent changes are recommended. Use thin cotton gloves inside the rubber gloves if allergy risk. The selection of suitable gloves does not only depend on the material, but also on further marks of quality varies from manufacturer. As the product is a pereparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
Other skin and body protection	Use skin protection cream for preventive skin protection. Appropriate footwear and additional protective clothing complying with an approved standard should be worn if a risk assessment indicates skin contamination is possible.
Hygiene measures	Provide eyewash station. Do not smoke in work area. Wash hands after contact. Promptly remove non-impervious clothing that becomes contaminated. Contaminated clothing should be placed in a closed container for disposal or decontamination. Remove contaminated clothing and wash the skin thoroughly with soap and water after work. When using do not eat,drink or smoke.
Respiratory protection	If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator fitted with the following cartridge: High-efficiency particulate filter.
Thermal hazards	Contact with hot product can cause serious thermal burns. 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	STEL: 10mg/m ³ 15 minutes. Form: Oil mist, mineral TWA: 5mg/m ³ 8 hours. Form: Oil mist, mineral Short-Term Exposure Limit (STEL). The National Institute for Occupational Safety and Health (NIOSH,1992). Time-Weighted Average (TWA). Occupational Safety and Health Administration (OSHA, 29 CFR 1910.1000,Table Z-1).

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Clear Liquid
Colour	Brown.
Odour	Mild, oily.
Flash point	214°C COC (Cleveland open cup).
Bulk density	0,901 kg/l @ 15°C
Solubility(ies)	Insoluble in water.
Partition coefficient	Not known.
Auto-ignition temperature	Not self-ignited
Viscosity	139,9 mm ² /s @ 40°C 14,35 mm ² /s @ 100°C
Explosive properties	Not considered to be explosive.
Oxidising properties	Does not meet the criteria for classification as oxidising.
Comments	Values are typical. These values may be variable within the product specification.

9.2. Other information

Other information	No information required.
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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 Stable at normal ambient temperatures. Mixing with any other material.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions No potentially hazardous reactions known.

10.4. Conditions to avoid

Conditions to avoid Avoid freezing. Avoid contact with strong oxidising agents. Avoid exposure to high temperatures or direct sunlight. Keep away from moisture.

10.5. Incompatible materials

Materials to avoid Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Hazardous decomposition products Does not decompose when used and stored as recommended. Heating may generate the following products: Toxic and corrosive gases or vapours. Thermal decomposition or combustion products may include the following substances: Carbondioxide,carbon monoxide,sulphur oxides,phosphorus oxides,metal oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects No data recorded.

Other health effects No data available to indicate product or any components are carcinogenic,mutagenic,genotoxic,and chronic health hazards.

Skin corrosion/irritation

Skin corrosion/irritation May cause an allergic skin reaction.

Serious eye damage/irritation

Serious eye damage/irritation No specific test data are available.

Respiratory sensitisation

Respiratory sensitisation No specific test data are available.

Skin sensitisation

Skin sensitisation No specific test data are available.

Germ cell mutagenicity

Genotoxicity - in vitro No specific test data are available.

Carcinogenicity

Carcinogenicity No specific test data are available.

Reproductive toxicity

Reproductive toxicity - fertility No specific test data are available.

Reproductive toxicity - development Mevcut özel test verisi yoktur.

Specific target organ toxicity - single exposure

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STOT - single exposure No specific test data are available.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure No specific test data are available.

Aspiration hazard

Aspiration hazard No specific test data are available

General information

Information given is based on a knowledge of the components and the toxicology of similar products.

Inhalation

Not expected to cause irritation. 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. The main symptoms are gastrointestinal ailments, including upset stomach.

Skin contact

May cause an allergic skin reaction. Skin irritation should not occur when used as recommended.

Eye contact

Not expected to cause eye irritation. Vapors formed from heating may cause eye irritation.

Acute and chronic health hazards

The product contain special performance additives and mineral base oils which are considered to be severely refined and not considered to be carcinogenic. All of the base oils in the product have been demonstrated to contain less than 3% (w/w) dimethyl sulfoxide extract by the IP 346 test. USED OILS are more dangerous than new oils. Used oils may contain hazardous components which have the potential to cause skin cancer.

Route of entry

Inhalation,ingestion,skin,eye contact.

Target organs

Skin,eyes,respiratory system,lungs,gastro-intestinal tract.

SECTION 12: Ecological Information

Ecotoxicity

Toxic to aquatic life with long lasting effects.

12.1. Toxicity

Toxicity

There is no specific test data available

12.2. Persistence and degradability

Persistence and degradability

There are no data on the degradability of this product.

12.3. Bioaccumulative potential

Bioaccumulative potential

No data available on bioaccumulation.

Partition coefficient

Not known.

12.4. Mobility in soil

Mobility

The product is insoluble in water and will spread on the water surface. It may absorbed by soil and will not be mobile.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment

There is no specific test data available.

12.6. Other adverse effects

Other adverse effects

Not known.

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information	Empty packages and wastes produced after the usage of the product should be taken under control according to the current environmental regulations. Unless otherwise noted all wastes should be evaluated as hazardous waste.
Disposal methods	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.
Waste class	13 02 06*Synthetic engine, gear and lubricating oils 13 02 08*other engine, gear and lubricating oils

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID)	3082
UN No. (IMDG)	3082
UN No. (ICAO)	3082
UN No. (ADN)	3082

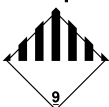
14.2. UN proper shipping name

Proper shipping name (ADR/RID)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Oleylamine; (Z)-octadec-9-enylamine, Reaksiyon ürünü, 4-metil-2-pentanol,difosfor pentasülfid, propoksilat, difosfor pentaoksit ile esterlenmiş, ve amin tuzları, C12-14 tert-alkil)
Proper shipping name (IMDG)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Oleylamine; (Z)-octadec-9-enylamine, Reaksiyon ürünü, 4-metil-2-pentanol,difosfor pentasülfid, propoksilat, difosfor pentaoksit ile esterlenmiş, ve amin tuzları, C12-14 tert-alkil)
Proper shipping name (ICAO)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Oleylamine; (Z)-octadec-9-enylamine, Reaksiyon ürünü, 4-metil-2-pentanol,difosfor pentasülfid, propoksilat, difosfor pentaoksit ile esterlenmiş, ve amin tuzları, C12-14 tert-alkil)
Proper shipping name (ADN)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Oleylamine; (Z)-octadec-9-enylamine, Reaksiyon ürünü, 4-metil-2-pentanol,difosfor pentasülfid, propoksilat, difosfor pentaoksit ile esterlenmiş, ve amin tuzları, C12-14 tert-alkil)

14.3. Transport hazard class(es)

ADR/RID class	9
ADR/RID classification code	M6
ADR/RID label	9
IMDG class	9
ICAO class/division	9
ADN class	9

Transport labels



14.4. Packing group

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ADR/RID packing group	III
IMDG packing group	III
ADN packing group	III
ICAO packing group	III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



14.6. Special precautions for user

EmS	F-A, S-F
ADR transport category	3
Emergency Action Code	•3Z
Hazard Identification Number (ADR/RID)	90
Tunnel restriction code	(E)

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.

SECTION 15: Regulatory information

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

EU legislation	<p>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).</p> <p>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).</p> <p>Observe the general safety regulations when handling chemicals. The product is not subject to identification regulations under EC Directives until 2004/73/EC (31. ATP) and the Ordinance on Hazardous Materials. The concentrations of the dangerous compounds, which are possibly specified under point 3, are not above the value for classification. Local regulations must be kept.</p>
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15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

General information	<p>All ingredients are listed in the European Inventories. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. This data sheet is a safety data sheet according to 91/155/EU. For products which are not subject to classification according to EU lists this data sheet is made on a voluntary base.</p>
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Key literature references and sources for data	December 13, 2014, No. 29204, "the Ministry of Environment and the Ministry of Urban Development Related to Safety Data Sheets on Hazardous Substances and Mixtures Direction"
Revision comments	Transport classification is revised.
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Revision date	01/01/2017
Revision	6
Supersedes date	06/12/2010
SDS number	OPET.GBF.0916
Hazard statements in full	H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H335 May cause respiratory irritation. H373 May cause damage to organs (Gastro-intestinal tract, liver, immune system, Liver) through prolonged or repeated exposure. 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. H412 Harmful to aquatic life with long lasting effects.

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. No warranty or representation, express or implied is made as to the accuracy or completeness of the data and information contained in this data sheet. OPET FUCHS MADENİ YAĞ SAN. VE TIC. A.Ş. shall not be responsible for any injury or damage resulting from the abnormal use of the product, recipient assumes all such risks.