



## SAFETY DATA SHEET OPTIMA 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** OPTIMA 68

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

**Identified uses** CLOSED SYSTEM GEAR OIL Please look at the Technical Data Sheet of the product for further information.

#### 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** +90 232 376 78 38 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** Not Classified  
**Environmental hazards** Not Classified

**Human health** No specific hazards under normal use conditions. USED ENGINE OILS are more dangerous than new engine oils. Used engine oils may contain hazardous components which have the potential to cause skin cancer. May cause sensitisation or allergic reactions in sensitive individuals.

**Environmental** The product is not expected to be hazardous to the environment.

**Physicochemical** The product is not classified as flammable, but at a temperature above the flash point is flammable when exposed to flame sources.

#### 2.2. Label elements

**Hazard statements** NC Not Classified

#### 2.3. Other hazards

By handling of mineral oil products and chemical products no particular hazard is known when normal precautions (item 7) and personal protective equipment (item 8) are kept.

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### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

**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. The components are not hazardous or are below required disclosure limits.

### 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

**Notes for the doctor** Treat symptomatically.

**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

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<b>Specific hazards</b>	This product is not explosive. Do not heat up near flash point.
<b>Hazardous combustion products</b>	In case of fire toxic and corrosive gases may form. These gases: Carbon dioxide, carbon monoxide, sulphur oxides, phosphorus oxides, metal oxides
<b>5.3. Advice for firefighters</b>	
<b>Protective actions during firefighting</b>	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.
<b>Special protective equipment for firefighters</b>	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

<b>Personal precautions</b>	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.
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#### 6.2. Environmental precautions

<b>Environmental precautions</b>	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.
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#### 6.3. Methods and material for containment and cleaning up

<b>Methods for cleaning up</b>	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.
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#### 6.4. Reference to other sections

<b>Reference to other sections</b>	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.
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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

<b>Usage precautions</b>	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.
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<b>Advice on general occupational hygiene</b>	Wash after use and before eating, smoking and using the toilet. Take off contaminated clothing and wash it before reuse.
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#### 7.2. Conditions for safe storage, including any incompatibilities

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<b>Storage precautions</b>	Store in a demarcated banded 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.
<b>Storage class</b>	Not special storage precautions required.
<b>7.3. Specific end use(s)</b>	
<b>Usage description</b>	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.

##### 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.

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**Environmental exposure controls** No data available.

### SECTION 9: Physical and Chemical Properties

#### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Yellow clear liquid
<b>Colour</b>	Yellow.
<b>Odour</b>	Typical
<b>Odour threshold</b>	Not known.
<b>Melting point</b>	Not determined.
<b>Initial boiling point and range</b>	Not determined.
<b>Flash point</b>	236°C
<b>Evaporation rate</b>	Not determined.
<b>Flammability (solid, gas)</b>	No information available.
<b>Upper/lower flammability or explosive limits</b>	No information available.
<b>Relative density</b>	0,886 kg/L @ 15°C
<b>Solubility(ies)</b>	Not soluble in water
<b>Partition coefficient</b>	Not known.
<b>Auto-ignition temperature</b>	Not self-ignited
<b>Viscosity</b>	68 mm <sup>2</sup> /s @ 40°C
<b>Explosive properties</b>	Not considered to be explosive.
<b>Oxidising properties</b>	Does not meet the criteria for classification as oxidising.
<b>Comments</b>	Values are typical. These values may be variable within the product specification.

#### 9.2. Other information

**Other information** No information required.

### 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

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**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.

## 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**                  Mevcut özel test verisi yoktur.

#### 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

**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**                                Skin irritation should not occur when used as recommended. Repeated exposure may cause skin dryness or cracking. May cause sensitisation or allergic reactions in sensitive individuals.

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<b>Eye contact</b>	Not expected to cause eye irritation. Vapors formed from heating may cause eye irritation.
<b>Acute and chronic health hazards</b>	The product contains 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.
<b>Route of entry</b>	Inhalation, ingestion, skin, eye contact.
<b>Target organs</b>	Skin, eyes, respiratory system, lungs, gastro-intestinal tract.

### SECTION 12: Ecological Information

**Ecotoxicity** No negative effects on the aquatic environment are known.

#### 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 be 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.

### 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** Avrupa Atık Sınıfı:13.02.05\*: Klor içermeyen mineral bazlı motor, dişli ve yağlama yağı

### 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.

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### 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

### 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.

## SECTION 15: Regulatory information

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

#### EU legislation

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

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

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.

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

#### General information

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.

#### 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

It has been revised according to the 1272/2008 CLP regulation.

#### Issued by

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**OPTIMA 68**

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