



**MATERIAL SAFETY DATA SHEET**  
**WOIL 0W16 HYBRID MOTOR OIL**



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This Safety Data Sheet is "Regulation on Safety Data Sheets for Hazardous Substances and Mixtures" (Official Journal dated 13.12.2014 and numbered 29204) and "Regulation on Classification, Labeling and Packaging of Substances and Mixtures" Prepared in accordance with (Official Journal No. 28848 and 11.12.2013).

**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1 Product Identifier**

**Product name** WOIL 0W16 HYBRID ENGINE OIL

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

**Identified Uses** MOTOR OIL

**1.3 Details of the supplier of the safety data sheet**

**Supplier**

**Name** ÖZERŞAH ENERJİ VE PETROL ÜRÜNLERİ TİCARET VE SANAYİ LİMİTED ŞİRKETİ

**Address** Gebkim Kimyacılar Osb. Atatürk Bulv. No:4/a Dilovası / KOCAELİ

**Telephone** 0262 502 01 99

**Fax** 0262 502 01 97

**Web** www.woil.com.tr

**E-mail** ozersahenerji@gmail.com

**Related person** Fetullah ARVAS

**1.4. Emergency telephone number**

**ÖZERŞAH ENERJİ VE PET. ÜRÜN. TİC. VE SAN. LTD. ŞTİ.** : 0262 502 01 99

**National Poison Information Center (NPIC)** : 114

**Emergency Health Services** : 112

**2. HAZARDS IDENTIFICATION**

**2.1 Classification of the substance or mixture**

**Classification (28848 Republic of Turkey)**

**Physical Harm** Not classified as harmful.

**Hazard to Health** Not classified as harmful

**Environmental Hazard** Not classified as harmful

**2.2 Label Elements**

**Labeling (28848 T.C.)**

**Hazard pictograms** NC Not classified as harmful

**2.3 Other Damages**

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1 Substances**

This material is not applicable as it is arranged as a mixture

**3.2 Mixtures**

| Chemical Composition | CAS No | EC No | % Rate | Risk Units |
|----------------------|--------|-------|--------|------------|
|----------------------|--------|-------|--------|------------|

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|              |   |   |       |                        |
|--------------|---|---|-------|------------------------|
| alkarylamine | - | - | 1-5 % | Aquatic Chronic 3-H412 |
|--------------|---|---|-------|------------------------|

#### Comments on its composition

Some substances are not classified according to the current legislation. Classified by the manufacturer. According to IP 346, the DMSO rate is less than 3%.

#### Additional Information

The full text of the hazard statements is given in Section 16.

### 4. FIRST AID MEASURES

#### 4.1 Description of first aid measures

##### Breathing

Move casualty to fresh air immediately. Wash nose and mouth with water. If discomfort persists, seek medical attention.

##### Swallowing

Never give anything by mouth to an unconscious person. Do not try to induce vomiting. Rinse mouth thoroughly with water. Seek medical attention if discomfort persists.

##### Skin Contact

Move the casualty away from the source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. If discomfort persists, seek medical attention.

##### Eye contact

Remove any contact lenses and open eyelids wide. Continue washing for at least 15 minutes. Continue washing for at least 15 minutes. If discomfort persists, seek medical attention.

#### 4.2 Indication of any immediate medical attention and special treatment needed

#### 4.3 First Signs for Medical Intervention and Special Treatment

No specific treatment is recommended. Treat according to symptoms

### 5. FIRE FIGHTING MEASURES

#### 5.1 Fire Extinguishers

**Suitable extinguishing tools:** The product is not flammable. Use an appropriate extinguishing material to surround the fire.

#### 5.2 Special Damages Caused by the Product

Where the concentration of dust in the air exceeds 10 mg/m<sup>3</sup>, protection against irritating dust must be provided. Carbon oxides. Nitrogen oxides.

#### 5.3 Protective Equipment for Fire Fighters

##### Protective measures to be taken during fire extinguishing

Avoid breathing fire gases or vapours. Control running fire extinguishing water by limiting and preventing it from entering sewers and waterways. Use water to cool fire exposed containers and disperse vapors.

#### Special protective equipment for firefighters

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Wear positive-pressure self-contained breathing apparatus and suitable protective clothing. Use an air supply respirator, gloves and safety glasses.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal Protective Measures

Wear protective clothing as shown in Section 8 of this Safety Data Sheet. Avoid contact with eyes and skin.

### 6.2 Environmental Precautions

Avoid spilling into drains, watercourses or soil

### 6.3 Methods and material for containment and cleaning up

#### Spill cleaning methods

If possible, stop the leak as long as there is no danger. Absorb with vermiculite, dry sand or soil and place in containers. Flush contaminated area with copious amounts of water. Avoid entry of spillage or runoff into drains, sewers or water bodies.

### 6.4 Reference to other sections

See Chapter 8 for personal protective equipment. See Chapter 13 for disposal of spills.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

#### Usage precautions

Avoid spilling. Avoid contact with eyes and skin.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Storage precautions

Store in tightly closed original packaging in a dry, cool and well-ventilated place. Keep containers upright. Keep away from food, drink and animal feeding stuffs. Store out of reach of children.

**Storage class:** Chemical storage.

### 7.3 Specific End Uses

No information

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

**Content notes** WEL = Workplace Exposure Limits

### 8.2 Exposure Controls

#### 8.2.2 Personal Protective Equipment

Provide adequate ventilation. Avoid breathing vapours. Observe the occupational exposure limit for the product and ingredients.

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## 8.2.2 Personal Protective Equipment



**Process Conditions** Provide eye wash facility.

**Technical Measures:** Comply with Operational Exposure Limits and reduce the risk of inhaling vapours. Provide adequate ventilation.

**Respirator:** No special recommended storage measures. In case of excessive air pollution, respiratory protection may be required.

**Hand Protection:** If the risk assessment indicates that skin contact is possible, chemical resistant, waterproof gloves complying with an approved standard should be used. Use protective gloves made of: Polyvinyl chloride (PVC). Nitrile rubber. Butyl rubber.

**Eye Protection:** Eye protection conforming to an approved standard should be used if the risk assessment indicates the possibility of eye contact. The following means of protection should be used: Chemical splash goggles or a face shield.

**Health Precautions:** Do not smoke in the work area. Wash your hands at the end of each shift and before eating, smoking and going to the toilet. Remove contaminated clothing immediately. Use a suitable skin cream to prevent the skin from drying out. Do not eat, drink or smoke during use.

**Skin Protection:** Wear suitable clothing to avoid any skin contact. Wear rubber shoes. Wear apron or protective clothing in case of contact.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

|                                                     |                         |
|-----------------------------------------------------|-------------------------|
| <b>Physical Condition</b>                           | Liquid                  |
| <b>Color</b>                                        | Characteristic          |
| <b>Odor</b>                                         | substance-specific      |
| <b>pH</b>                                           | No information          |
| <b>Resolution</b>                                   | No information          |
| <b>Boiling point</b>                                | No information          |
| <b>Melting point</b>                                | No information          |
| <b>DMSO extract (for mineral oil only), IP-346:</b> | < 3 %mg                 |
| <b>Flash point (ASTM D92)</b>                       | 225 °C                  |
| <b>Density 15°C (ASTM D4052)</b>                    | 0,850 g/cm <sup>3</sup> |
| <b>Viscosity 40°C (ASTM D445)</b>                   | 37,65 cSt               |
| <b>Viscosity 100°C (ASTM D445)</b>                  | 7,36 cSt                |
| <b>Viscosity index (ASTM D 2270)</b>                | 165                     |
| <b>Pour point (ASTM D 97)</b>                       | -35 °C                  |

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## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

See subsections.

### 10.2 Chemical stability

Stable at normal ambient temperatures and when used as recommended

### 10.3 Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4 Conditions to avoid

Avoid excessive heat for a long time.

### 10.5 Incompatible materials

Acids, oxidizers

### 10.6 Hazardous decomposition products

Fire active: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxic effects

#### Akut toksisite - oral

ATE oral (mg/kg) 1.000.000,0

#### Akut toksisite - dermal

ATE dermal (mg/kg) 3.000.000,0

#### Akut toksisite - soluma

ATE soluma (gazlar ppmV) 7.000.000,0

ATE soluma (buharlar mg/l) 30.000,0

ATE soluma (toz/sis mg/l) 5.000,0

**Breathing:** High concentrations of gas or vapor may irritate the respiratory system. The following symptoms may occur after overexposure: Cough.

**Swallowing:** May cause discomfort if swallowed. Gastrointestinal symptoms, including stomach upset.

**Skin Contact:** No skin irritation occurs when used as recommended. The liquid may irritate the skin.

**Eye Contact:** Irritating to eyes.

## 12. ECOLOGICAL INFORMATION

### 12.1 Ecotoxicity

It is thought to be harmful to aquatic organisms. Spills form a film layer on the water surface, preventing oxygen transfer.

### 12.2 Persistence and degradability

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No data available.

### 12.3 Bioaccumulation potential

No data available.

### 12.4 Mobility in soil

**Mobility:** The product is immiscible with water and spreads on the water surface.

### 12.5 Results of PBT and vPvB Assessment

No data available.

### 12.6 Other Adverse Effects

No data available.

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste Treatment Methods

#### General information

The packaging must be empty (so as not to drip residue when turned upside down). Do not puncture or burn containers, even when empty.

#### Waste treatment methods

Dispose of waste at a licensed waste disposal facility in accordance with the requirements of local Waste Disposal Authorities. The environmental officer should be informed of all major spills. Avoid entry of spillage or runoff into drains, sewers or water bodies. Do not reuse contaminated empty packages. Empty packages can be recycled.

## 14. TRANSPORT INFORMATION

### 14.1 UN Number

Not applicable.

### 14.2 UN proper shipping name

Not applicable.

### 14.3 Transport hazard class (es)

Not applicable.

### 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 Public transport according to Annex II of MARPOL 73/78 and the IBC code

Not applicable.

## 15. REGULATORY INFORMATION

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## 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).  
**Guide**

Workplace Exposure Limits EH40.

CHIP for everyone HSG228

Safety Data Sheet for substances and preparations.

Approved Classification and Labelling Guide (Sixth edition) L131

## 16. OTHER INFORMATION

### 16.1 Revision information

The information on health, safety and environment in the Safety Data Sheet has been given by examining the reliable sources available at the time the form was prepared. While utmost care is taken to ensure the accuracy of the information, there is no guarantee of perfection or accuracy regarding the information contained in this document. The health, safety, and environmental recommendations contained in this document may not be adequate for all individuals and/or situations. It is the responsibility of the users to evaluate the material, to use it safely and to comply with the laws and regulations regarding the issues related to this use. The expressions used in this document shall not be construed as any permission, recommendation or license for the practice and work performed without a valid license. ÖZERŞAH ENERJİ VE PETROL ÜRÜNLERİ TİCARET VE SANAYİ LİMİTED ŞİRKETİ will not be held responsible for any damage and/or injury that may arise from abnormal use of the material, not following the recommendations or from the natural hazards of the material.

### 16.2 Prepared by:

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