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 HEXON 85W90 GEAR OIL

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

Identified Uses Used as automotive gear oils.

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.hexon.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 (UZEM) : 114

Emergency Health Services : 112

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (28848 T.C.)

Physical Hazards Not classified as harmful.

Human health Not classified as harmful.

Environment Not classified as harmful.

2.2 Label elements

Labeling (28848 T.C.)

Labeling is not required. It is not classified as harmful.

Hazard pictograms Not classified as harmful.

Warning Statement Not available.

Hazard statements Not classified as harmful.

Precautionary Statements Not classified as harmful.

2.3 Other hazards

Physical and Chemical Hazards

The product is not classified as flammable substances, but may ignite when exposed to flame sources at a temperature above its flash point.

Human health

Human health

It is not expected to cause any harm under normal use conditions. Repeated or prolonged contact may cause skin irritation. Used engine oils may contain dangerous ingredients that are likely to cause skin cancer.

Note: The test result of DMSO extract made by IP 346 method of one of the components was found below 3% (m/m). Therefore, it is exempt from the phrase carcinogen (H350).

Environment

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

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	Classification
Zinc alkyldithiophosphate	68649-42-3	272-028-3	1-7 %	H315-Skin irritation 2 H318-Serious Eye Damage/Eye Irritation 1 H411-Harmful to the Aquatic Environment-Chronic 2
Lubricating oils (petroleum) (Contains less than 3% DMSO extract)	74869-22-0	278-012-2	60 %	-
Ethylene Propylene Copolymer	9010-79-1		33 %	-

4. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation

If there is irritation of the nose and throat or cough as a result of gas inhalation, the affected person should be moved to fresh air. If breathing stops, a breathing mask should be used. If symptoms persist, a doctor should be consulted.

Ingestion

Do not induce vomiting, rinse mouth thoroughly with water. Get emergency medical help.

Skin Contact

Wash contact areas with soap and water. Remove contaminated clothing. Wash with plenty of water. When in doubt or when symptoms are observed, seek medical attention. Contact with hot product causes thermal burns.

Eye contact

Rinse with clean water for 10-15 minutes. If irritation occurs, seek medical attention. Rinse with plenty of water, keeping eyelids open. If there is redness or pain, it should be checked by a doctor. In cases where medical assistance is required, take it to the hospital without delay.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation: May be irritating.

Skin Contact: Dryness and redness may occur on the skin.

Eye Contact: May cause eye irritation.

Ingestion: Ingestion may cause nausea.

4.3 Indication of any immediate medical attention and special treatment needed

It is not expected to have a special medical device for emergency and special medical procedures in the workplace. Treatment is applied according to the symptoms.

5. FIRE FIGHTING MEASURES

5.1 Fire Extinguishers

Suitable extinguishing tools

To extinguish the fire; Extinguish with foam, carbon dioxide or dry powder.

Unsuitable Fire Extinguishers

Do not intervene directly with water.

5.2 Special Damages Caused by the Product

As a result of combustion, poisonous, toxic and corrosive gases such as carbon dioxide, sulfur oxide, nitrogen oxide and carbon monoxide, carbon dioxide sulfur oxides, phosphorus oxides, metal oxides are formed.

5.3 Protective Equipment for Fire Fighters

Fire Fighting Instructions: Evacuate area. Prevent the fire from spreading out of control or entering streams, sewers and drinking water networks. Cool containers exposed to flames with water until the fire is out. Just SPRAY water to cool containers. Do not spray water on spilled material!

Care should always be taken to create an escape route in case of fire. Dry chemical, foam, water mist and carbon dioxide type fire extinguishers should be used for small fires. Water jets should not be used. The fire extinguisher should not be sprayed directly on the product storage area, and the spread of the product to the environment should be prevented. Indoor fires should be extinguished by trained personnel wearing protective clothing and oxygen masks.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Protective Measures

Appropriate protective equipment should be used to prevent contamination on skin, eyes and personal clothing. In case of fire, artificial respiration devices should be used. Do not smoke, do not use fire, do not use anything else igniting. Beware of slippery floors and surfaces in case of spillage. Use protective gloves and (if splash hazard) safety glasses/face shield. Avoid breathing vapors and contact with skin and eyes. Provide adequate ventilation.

6.2 Environmental Precautions

Avoid spreading to the environment. Avoid spilling into drains, waterways or soil. Place the container with the damaged side up to prevent escaping. In case of spills or uncontrolled discharges towards waterways, it is necessary to apply to the relevant and authorized local bodies IMMEDIATELY. Empty containers may contain residues that carry the hazards of the product.

6.3 Methods and material for containment and cleaning up

Large spills: Stop leak if possible, as long as there is no danger. DO NOT touch spilled material! Make a bund around the spill and remove sand, sawdust, etc. Collect with absorbent material. Collect spillage in container and hand over in accordance with local regulations for disposal after tightly sealing. Do not contaminate waterways or sewers. Notify authorities in case of large quantities. Small spills: Stop leak if possible provided there is no danger. Soak in vermiculite, dry sand or soil and put in boxes. Dispose of in accordance with local legislation under the supervision of authorized persons and through licensed waste disposal companies

6.4 Reference to other sections

See chapters 8 and 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Good ventilation should be provided in the working environment and breathing the vapor formed during use should be avoided. Skin contact should be avoided and hygienic rules should be applied. Contact with eyes should be avoided. Goggles or a face mask should be used to avoid eye contact. Do not allow it to come into contact with soil, surface or ground water.

7.2 Conditions for safe storage, including any incompatibilities

Storage containers or covers of containers should be made of mild steel or high-density polyethylene. Storage containers made of PVC should not be used. Polyethylene containers should not be exposed to high temperatures due to the risk of deformation and puncture. It is recommended to stack containers on a pallet and in a single row. Store in tightly closed original packaging in a dry and cool place. Protect from freezing and direct sunlight. Store between 0°C and 50°C in closed original packaging.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

EXPOSURE CONTROL LIMITS

There are no appropriate occupational exposure limits for this material.

8.2 Exposure Controls

8.2.1 Engineering Measures

Oil mist, mineral: STEL: 10mg/m³ 15 minutes

Oil mist, mineral: TWA: 5mg/m³ 8 hours

Short-Term Exposure Limit (STEL): Any 15-minute period of the working day according to current The National Institute for Occupational Safety and Health (NIOSH) legislation (NIOSH, 1992).

Time-Weighted Average (TWA): It is an 8-hour time-weighted average determined as a reference according to current Occupational Safety and Health Administration (OSHA) regulations (29 CFR 1910.1000, Table Z-1).

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: In case of insufficient ventilation, use suitable respirator. Use a high-efficiency respirator with a suitable particle filter.

Hand Protection: Protective gloves should be used if there is a risk of direct contact or splashing. Gloves made of nitrile are recommended. Note that liquid can get inside the gloves. It is recommended to change gloves frequently.

Eye Protection: Wear safety glasses or a face shield if there is a risk of splashing.

Other Protection Methods: Wear steel-toed shoes.

Health Precautions: DO NOT SMOKE IN WORKING PLACES! Do not eat or drink or smoke during use. Wash your hands after contact. Immediately remove contaminated and non-waterproof clothing. Keep contaminated clothing separate and wash before reuse. After finishing work, remove contaminated clothing and wash skin thoroughly with soap and water.

Skin Protection: Wear apron.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Temel Fiziksel ve Kimyasal Özellikler Hakkında Bilgi

Physical Condition:	Liquid
Color:	Characteristic
Odor:	No information.
pH:	No information.
Resolution:	No information.
Boiling point	No information.
Melting point	No information.
Flash Point (ASTM D92)	226 °C
Density 15°C (ASTM D4052))	0,896 g/cm^3
Viscosity 100°C (ASTM D445)	13,5-18,5 cSt
Viscosity index (ASTM D 2270)	97
Pour Point (ASTM D 97)	-20°C

10. STABILITY AND REACTIVITY

10.1 Reactivity

See subsections.

10.2 Chemical stability

Under normal conditions, the substance is stable.

10.3 Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4 Conditions to avoid

Avoid exposure to high heat or direct sunlight. Avoid frost. Avoid contact with strong oxidizers. Keep away from moisture.

10.5 Incompatible materials

Strong oxidizing preparations. Strong acids.

10.6 Hazardous decomposition products

It does not exist under normal conditions. Fire or high heat may cause formation of toxic and corrosive vapours. Things created by fire or high heat: Carbon dioxide, carbon monoxide, sulfur oxides, phosphorus oxides, metal oxides.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxic effects

No data has been saved. The information given below is based on data on the toxicology of similar products.

Inhalation: No irritation when used normally. Excessive inhalation of vapors may irritate the throat and respiratory system and cause coughing.

Ingestion: May cause discomfort if swallowed. Gastrointestinal disorders, including nausea, are the main symptoms.

Skin Contact: Not expected to cause skin irritation when used normally. Repeated exposure may cause skin dryness or cracking.

Eye Contact: No eye irritation is expected when used normally. Vapors from high temperatures may irritate the eyes.

Health Warnings: This product contains highly refined mineral base oils and special performance additives that are not classified as carcinogenic. The dimethyl sulfoxide (DMSO) extract test result of the mineral base oils used in the product, made with the IP 346 test method, is less than 3% by weight. Used Engine Oils are more dangerous than new engine oils. Used engine oils may contain dangerous ingredients that are likely to cause skin cancer.

Other Health Effects: There is no data showing that the product or any ingredient in the product has carcinogenic, mutagenic, toxic to genetic material, or chronic effects on human health.

Route of Entry: By inhalation, by ingestion, by skin contact, by eye contact.

Target Organs: Skin, eyes, respiratory system, lungs, gastrointestinal area.

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity

The product contains a substance(s) that are harmful to aquatic organisms and may cause long-term adverse effects in the aquatic environment.

12.2 Persistence and degradability

The biodegradability of the product is not high.

12.3 Bioaccumulation potential

The product contains substances with the potential to bioaccumulate.

12.4 Mobility in soil

The product is insoluble in water and spreads on the water surface. It can be absorbed by the soil and loses its mobility.

12.5 Other Adverse Effects

Water Hazard Classification: N/A

13. DISPOSAL CONSIDERATIONS

Waste should be treated as controlled waste. It may only be disposed of in a manner designated by local waste disposal authorities and at licensed waste disposal sites.
Dispose of garbage and waste in accordance with local authority rules. It must not seep into sewers, waterways or the ground.

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 Transport in bulk according to Annex II of MARPOL/73/78 and the IBC code

Not applicable

15. REGULATORY INFORMATION

Risk Phrases: NC Not classified.

Safety Phrases: NC Not classified.

16. OTHER INFORMATION

16.1 Additional info

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. Whilst every care is taken with regard to the accuracy of the information, there is no guarantee of perfection or correctness of 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

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16.2 Key Information Sources

Dated December 26, 2008 and numbered 27092. Published in the Official Journal T.C. "Regulation on the Preparation and Distribution of Safety Data Sheets for Dangerous Substances and Preparations".

16.3 Hazard Statements

H315- skin irritation 2

H318- Serious Eye Damage/Eye Irritation 1

H411- Harmful to the Aquatic Environment-Chronic 2

H350-Kanserojen

16.4 Prepared by

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Document no	**:** TÜV / 01.230.05
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