



## MATERIAL SAFETY DATA SHEET

Product Name	POWERPLUS GEAR SERIES TRANSMISSION EP 80W90 GL-4
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It has been prepared in accordance with the Regulation on the Preparation of Safety Data Sheets on Harmful Substances and Mixtures (Official Gazette No. 13.12.2014-29204).

### 1. DESCRIPTION OF THE PRODUCT AND COMPANY

**Product Name:** POWERPLUS GEAR SERIES TRANSMISSION EP 80W90 GL-4

**Manufacturer:** SKOR PETROKİMYA ÜRÜNLERİ SAN. VE TİC. A.Ş.

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Emergency Phone Numbers

First Aid:112

Fire Brigade:110

Ministry of Health National Poison Advisory Center:114

### 2-DEFINITION OF DANGER

According to the legislation in force, it is not considered dangerous for health or the environment.

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

Physicochemical effect: No relation.

Impact on human health: unrelated.

#### Tag Features

**Product ID:**

The component that determines the hazard for the label.

To the current knowledge of the supplier and at applicable concentrations, there are no components classified as hazardous to health or the environment that need to be declared.

### **3-INFORMATION ABOUT THE COMPOSITION / CONTENTS**

#### **Hazardous Substances Contained**

The product does not contain hazardous substances.

Article Name	Cas No	EC No	Concentration(%)	Classification
Base oil	74869-22-0	278-012-2	80-95	ASP. Full. 1,H304
Long-chain alkyl amine	-	942-671-0	0,1-0,3	Acute Toxic 4,H302 Acute Toxic 3,H311 Acute Toxic 2,H330 Skin Abrasive 1B, H314 Skin Sensitizer 1A,H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Alkyl phosphate	190454-07-0	-	0,1-0,5	Skin Abrasive 1B, H314 Aquatic Chronic 3, H412
Methacrylate copolymer	Proprietary	-	0,1-0,3	Eye Irritation 2,H319
Alkyl Methacrylate	Proprietary	-	0,001-0,003	Skin Irritation 2,H315 Eye Irritation 2,H319 BHOT Single MRZ 3,H335 Skin has. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

### **4.FIRST AID MEASURES**

#### **GENERAL:**

In case of an emergency, consult a doctor by showing this safety data sheet.

**INHALATION:** In dense form, vapors can irritate the throat and respiratory system and cause coughing.

**SWALLOWING:** May cause discomfort if swallowed.

**CONTACT WITH SKIN:** The liquid may irritate the skin.

**CONTACT WITH EYES:** If the spray or vapor escapes into the eyes, it may cause irritation and pain.

### **5.FIRE FIGHTING MEASURES**

#### **GENERAL:**

During the fire, everyone except the fire personnel should be removed. Product packaging should be removed from the fire environment. Do not stay in the danger zone without a breathing apparatus and appropriate protective clothing.

**Suitable Fire Extinguishers and Method of Struggle:** In small fires, foam, dry chemical, CO2 and water mist should be used. In the event of large fires, the fire department should be notified. Care must always be taken to create an escape route in the event of a fire.

**Improper Fire Extinguishers and Method of Struggle :** Never intervene in the fire with water. If strong water is thrown, it can cause the fire to spread.

**Special Protective Equipment Required for Fire Fighting:** Fires in enclosed spaces should be extinguished by trained personnel using protective clothing and oxygen masks.

## **6 . ACCIDENTAL SPREAD PRECAUTIONS**

### **PERSONAL PRECAUTIONS**

Avoid contact with eyes, leather and clothes. Use personal protective equipment. Be careful not to form dust. Make sure there is good ventilation. Use an independent breathing apparatus.

### **ENVIRONMENTAL PROTECTION MEASURES**

Do not pour into sewage, soil or waterways.

### **DEBRIS REMOVAL METHODS**

Stop the leak if possible, provided that there is no danger. Put vermiculite , dry sand or in boxes impregnated with soil. Wash with plenty of water to clean the area of debris. Do not infect waterways or sewers.

## **7.USE AND STORAGE**

### **PRECAUTIONS FOR USE**

Try not to spill, avoid contact with skin and eyes. Use gloves and a dust mask. Keep the packaging in a dry place. When closing the lid again, it should be dry. After use, if possible, the package is resealed and the lid is sealed. In places where dust is formed, there should be a suitable exhaust ventilation system.

### **STORAGE MEASURES**

Store in a dry and cool place, in tightly closed original packaging. Keep it upright. Keep away from food, drinks and animal feed. Store out of the reach of children.

**Personal Precautions** Personnel who are not needed are kept away. Gloves and boots with impermeability are used. In case of working with hot material, appropriate protective clothing should be used to prevent thermal burns.

**Environmental Measures and Cleaning Methods:** Oil sand, soil sawdust, etc. Using appropriate absorbents, the oil is removed and stored in marked barrels for disposal in accordance with the law.

## **8.EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **Exposure controls**

It does not contain any substances with an exposure limit.

### **Proper Engineering controls**

DNEL-Values: No data available

### **General Protection and Hygiene Measures**

Ensure that personal protective equipment is compliant with and linked to good occupational hygiene practices, engineering controls, ventilation and other control measures, including insulation.

Use only in well-ventilated places.

Keep away from food supplies, drinks and animal feed.

Remove contaminated, contaminated clothing directly.

Wash your hands at the end of work and during breaks from work

Avoid direct contact with eyes and skin.

Do not eat or drink any foodstuffs while using this substance.

### **PROTECTIVE EQUIPMENT**



**PROCESS CONDITIONS:** Provide an eye wash place.

**TECHNICAL PRECAUTIONS:** Provide proper ventilation. Observe Operational Exposure Limits and lower the risk of steam inhalation.

**RESPIRATORY DEVICE:** No specific recommendation has been given, but it may still be necessary to use breathing protection in exceptional cases if there is excessive contamination in the air.

**HAND PROTECTION:** Use appropriate protective gloves when there is a danger of skin contact. Use protective gloves made of:

**EYE PROTECTION:** Wear safety glasses or face shield if there is a danger of splashing.

**OTHER METHODS OF PROTECTION:** Wear appropriate clothing that will prevent any contact with the skin. Wear rubber shoes.

### **HEALTH PRECAUTIONS:**

**DO NOT SMOKE IN THE PLACES WHERE YOU WORK!** Wash at each shift change and before eating, before smoking, and before going to the toilet. Remove all contaminated clothing immediately. Use a suitable skin cream to prevent the skin from drying out. Wash the workwear before using it again. Do not eat or drink anything during use, and do not smoke.

**SKIN PROTECTION:** Wear an apron or protective clothing in case of contact.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE:** Liquid

**COLOR:** Brown

**ODOR:** Specific to the substance.

**RELATIVE DENSITY:** 0.880 g/ml 15°C

**VISA:** 24.5.32.5 cSt 100°C

**FLASH POINT :**(°C) 230 OC (Open dish)

## **10. STABILITY AND REACTIVITY**

**CHEMICAL STABILITY:** Balanced under normal temperature conditions and under recommended conditions of use. It is stable in the recommended storage conditions.

**AVOID SITUATIONS:** Avoid contact with moisture and sunlight. Beware of excessive heat for a long time.

**HAZARDOUS POLYMERIZATION:** Non-polymerizing

**HARMFUL DEGRADATION PRODUCTS:** In the common environment, hazardous degradation products are formed.

**MATERIALS TO AVOID:** Acids – oxidizer.

**HAZARDOUS DEGRADATION/DECOMPOSITION PRODUCTS:** Things caused by a fire: Carbon monoxide (CO) Carbon dioxide (CO<sub>2</sub>)

## **11. TOXICOLOGICAL INFORMATION**

**INHALATION:** In dense form, vapors can irritate the throat and respiratory system and cause coughing.

**SWALLOWING:** May cause discomfort if swallowed. Symptoms of gastrointestinal upset, including nausea.

**SKIN CONTACT:** It is not expected to irritate the skin when used normally. The liquid can irritate the skin.

**CONTACT WITH EYES:** Irritates the eyes.

## **12. ECOLOGICAL INFORMATION**

**Degradability:** They cannot be expected to undergo easy biodegradation.

**Mobility:** It is in liquid form in almost all environmental conditions. Floats in water. Rashes are processed into the soil, causing contamination of ground waters.

**Accumulation Property in Nature:** It tends to accumulate in nature. Care must be taken not to dump it in garbage and into sewer-connected waterways. Debris can form films on water surfaces, causing damage to organisms. Oxygen transfer can also be inhibited.

### **13.DISPOSAL INFORMATION**

#### **DISPOSAL METHODS**

Dispose of garbage and waste in accordance with the rules of local authorities. The environmental officer will be informed about all major debris. It should not seep into the sewer, waterways or soil. Do not reuse contaminated empty packaging. Empty packaging can be recycled. These containers must be cleaned by appropriate methods as they may contain hazardous waste. The spilled area should be washed with plenty of water. It should not be discharged in large quantities in treatment systems.

The product must be disposed of according to official regulations. Do not allow the packaging of the product and the product to be thrown away with household garbage. In such cases, inform the authorities.

### **14.TRANSPORTATION INFORMATION**

**GENERAL** Product, international transport of dangerous goods not covered by the regulation (IMDG, IATA, ADR/RID).  
No warning sign is required for transport.

**ROAD TRANSPORT NOTES** Not classified.

**RAILWAY TRANSPORT NOTES** Not classified.

**SEA ROUTE NOTES** Not classified.

**AIR FREIGHT NOTES** Not classified.

### **15.REGULATORY INFORMATION**

See the following regulations for legislation or other relevant national measures to implement the provisions of this safety data sheet.

Regulation on the registration, evaluation, authorization and restriction of chemicals (23/06/2017-30105)

Regulation on the preparation of a safety data sheet on harmful substances and mixtures

(R.G.. -13.12.2014-29204)

Occupational Health and Safety Regulation (R.G.18.12.2014-29209)

Regulation on health and safety measures in the work with carcinogenic and mutagenic substances

(R.G.-06.08.2013-28733)

Regulation on health and safety measures in the work with chemical substances

(R.G-12.08.2013-28733)

Regulation on the use of personal protective equipment in workplaces.

(R.G.02.07.2013-28695)

Regulation on manual transport works (R.G.24.07.2013-28717)

Regulation on the Prevention and Reduction of the Effects of Major Industrial Accidents (02.08.2016-39789)

Waste Management Regulation (R.G.02.04.2015-29314)

## **16.OTHER INFORMATION**

### **Risk statements**

None.

### **Key sources of information**

This safety data sheet has been prepared with reference to the relevant regulations.

### **Abbreviations**

LC... (lethal concentration...) : 50% lethal dose.

LD... (lethal flooring...) :50% lethal concentration

DNEL (derived no-effect level)

NOAEL (no observable adverse effect level): No side effects observed.

ADR : European treaty on the international carriage of dangerous goods by road.

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