

Trade name: LUKOIL GENESIS RACING 5W-50

Product no.: 0253140914

Version: 1 / RO

Date revised: 22.11.2021

Replaces Version: - / RO

Print date: 22.11.2021

## **SECTION 1: Identification of the substance/mixture and of the company/undertaking**

### **1.1. Product identifier**

LUKOIL GENESIS RACING 5W-50

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

#### **Use of the substance/preparation**

Engine oil

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

#### **Address**

OOO «LLK-International»  
Malaya Yakimanka str. 6  
119180 Moscow  
RU  
Telephone no. +7 495 627-40-20  
WWW.LUKOIL-LUBRICANTS.COM

Address of manufacture:  
Promishlennaya str. 84  
614055 Perm  
RU

Only representative: LUKOIL LUBRICANTS EAST EUROPE S.R.L.  
Strada Mihai Bravu 235  
100410 Ploiești  
RO  
Telephone no. +40 244 504 654  
Fax no. +40 244 504 801

E-mail address of person responsible for this SDS info.product-safety@eu.lukoil.com

### **1.4. Emergency telephone number**

INSPB: L-V, entry 8.00-15.00 (conf. Art 5 / HG 398/2010) +40213183606

## **SECTION 2: Hazards identification**

### **2.1. Classification of the substance or mixture**

This product is not classified hazardous in accordance with Regulation (EC) No 1272/2008.

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## 2.2. Label elements

### Labelling according to regulation (EC) No 1272/2008

EUH208 Contains C14-16-18 Alkyl phenol, May produce an allergic reaction.

#### Supplemental information

EUH210 Safety data sheet available on request.

## 2.3. Other hazards

No special hazards have to be mentioned.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients

##### zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)

CAS No. 93819-94-4

EINECS no. 298-577-9

Registration no. 01-2119543726-33

Concentration  $\geq 1$  < 2,5 %

Classification (Regulation (EC) No. 1272/2008)

Skin Irrit. 2 H315

Eye Dam. 1 H318

Aquatic Chronic 2 H411

Concentration limits (Regulation (EC) No. 1272/2008)

Skin Irrit. 2 H315  $\geq 6,25$  %Eye Dam. 1 H318  $\geq 12,5$  %Eye Irrit. 2 H319  $\geq 10 < 12,5$  %

##### C14-16-18 Alkyl phenol

EINECS no. 931-468-2

Registration no. 01-2119498288-19

Concentration  $\geq 0,1$  < 1 %

Classification (Regulation (EC) No. 1272/2008)

Skin Sens. 1B H317

STOT RE 2 H373

#### Further ingredients

##### Paraffin oils (Petroleum), catalytic dewaxed heavy; Baseoil - unspecified

CAS No. 64742-70-7

EINECS no. 265-174-4

Registration no. 01-2119487080-42

Index no. 649-477-00-2

Concentration  $\geq 50$  %

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[3]

Classification (Regulation (EC) No. 1272/2008)

-

Additional remarks:

CLP Regulation (EC) No 1272/2008, Annex VI, Note H, L

**Distillates (Petroleum), solvent-dewaxed heavy paraffinic; Baseoil - unspecified**

CAS No. 64742-65-0

EINECS no. 265-169-7

Registration no. 01-2119471299-27

Index no. 649-474-00-6

Concentration &gt;= 1 &lt; 10 %

Advice: [3]

Classification (Regulation (EC) No. 1272/2008)

Asp. Tox. 1 H304

Additional remarks:

CLP Regulation (EC) No 1272/2008, Annex VI, Note H, L

**Distillates (Petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified**

CAS No. 64742-54-7

EINECS no. 265-157-1

Registration no. 01-2119484627-25

Index no. 649-467-00-8

Concentration &gt;= 1 &lt; 10 %

Advice: [3]

Classification (Regulation (EC) No. 1272/2008)

Asp. Tox. 1 H304

Additional remarks:

CLP Regulation (EC) No 1272/2008, Annex VI, Note H, L

**Paraffin oils (Petroleum), catalytic dewaxed heavy; Baseoil - unspecified**

CAS No. 64742-70-7

EINECS no. 265-174-4

Registration no. 01-2119487080-42

Index no. 649-477-00-2

Concentration &gt;= 1 &lt; 10 %

Advice: [3]

Classification (Regulation (EC) No. 1272/2008)

Asp. Tox. 1 H304

Additional remarks:

CLP Regulation (EC) No 1272/2008, Annex VI, Note H, L

**Distillates (Petroleum), solvent-dewaxed light paraffinic; Baseoil - unspecified**

CAS No. 64742-56-9

EINECS no. 265-159-2

Registration no. 01-2119480132-48

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Index no. 649-469-00-9  
Concentration  $\geq 1 < 10$  %  
Advice: [3]  
Classification (Regulation (EC) No. 1272/2008)  
Asp. Tox. 1 H304

Additional remarks:

CLP Regulation (EC) No 1272/2008, Annex VI, Note H, L

**Note**

[3] Substance with occupational exposure limits

**Other information**

DMSO&lt;3% (IP 346)

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

In case of persistent symptoms consult doctor.

**After inhalation**

Ensure supply of fresh air. In the event of symptoms take medical treatment.

**After skin contact**

In case of contact with skin wash off with warm water. Consult a doctor if skin irritation persists.

**After eye contact**

Separate eyelids, wash the eyes thoroughly with water (15 min.). In case of irritation consult an oculist.

**After ingestion**

If individual is drowsy or unconscious place in recovery position (on left side, with head down). Call in a physician immediately and show him the Safety Data Sheet. Do not induce vomiting.

**Adhere to personal protective measures when giving first aid**

First aider: Pay attention to self-protection!

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

Until now no symptoms known so far.

**4.3. Indication of any immediate medical attention and special treatment needed****Hints for the physician / treatment**

Treat symptomatically

**Hints for the physician / hazards**

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

**SECTION 5: Firefighting measures**

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## 5.1. Extinguishing media

### Suitable extinguishing media

Foam, Dry powder, Carbon dioxide, Water spray jet

### Non suitable extinguishing media

Full water jet

## 5.2. Special hazards arising from the substance or mixture

In case of combustion evolution of dangerous gases possible.

## 5.3. Advice for firefighters

### Special protective equipment for fire-fighting

In case of combustion use a suitable breathing apparatus.

### Other information

Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.

## **SECTION 6: Accidental release measures**

### 6.1. Personal precautions, protective equipment and emergency procedures

High risk of slipping due to leakage/spillage of product. Use personal protective clothing. Ensure adequate ventilation. Keep away sources of ignition. Use breathing apparatus if exposed to vapours/dust/aerosol. Avoid contact with skin, eyes and clothing. Refer to protective measures listed in Sections 7 and 8.

### 6.2. Environmental precautions

Do not discharge into the subsoil/soil. Prevent spread over a wide area (e.g. by containment or oil barriers). Do not discharge into the drains/surface waters/groundwater.

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

Pick up with absorbent material. Clean contaminated floors and objects thoroughly, observing environmental regulations. Dispose of as prescribed.

### 6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8.

## **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

#### Advice on safe handling

Observe the usual precautions for handling chemicals.

#### Advice on protection against fire and explosion

No special measures required.

#### Classification of fires / temperature class / Ignition group / Dust explosion class

Classification of fires                      B (Combustible liquid substances)

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

### Requirements for storage rooms and vessels

Store product in closed containers.

### Hints on storage assembly

Do not store together with foodstuffs.

### Further information on storage conditions

Keep container tightly closed and dry. Protect from heat and direct sunlight.

## 7.3. Specific end use(s)

Engine oil

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Other information

Maintain air concentrations below occupational exposure standards.

### 8.2. Exposure controls

#### General protective and hygiene measures

Observe the usual precautions for handling chemicals.

#### Respiratory protection

Not necessary, but do not inhale vapours. If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn.

#### Hand protection

Gloves

Appropriate Material                      neoprene

#### Eye protection

Safety glasses

#### Body protection

Clothing as usual in the chemical industry.

## SECTION 9: Physical and chemical properties

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

**Form**    liquid

**Colour**    yellow

#### Density

Value    842,3    kg/m<sup>3</sup>

Temperature                                    20    °C

#### Viscosity

**kinematic**

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Value	107		mm <sup>2</sup> /s
Temperature	40	°C	
<b>Flash point</b>			
Value	231		°C
Method	Cleveland closed cup		
<b>Pourpoint</b>			
Value	-41		°C
<b>Odour threshold</b>			
Remarks	not determined		
<b>pH value</b>			
Remarks	not determined		
<b>Melting point</b>			
Remarks	not determined		
<b>Freezing point</b>			
Remarks	not determined		
<b>Initial boiling point and boiling range</b>			
Remarks	not determined		
<b>Evaporation rate (ether = 1) :</b>			
Remarks	not determined		
<b>Flammability (solid, gas)</b>			
not determined			
<b>Upper/lower flammability or explosive limits</b>			
Remarks	not determined		
<b>Vapour pressure</b>			
Remarks	not determined		
<b>Vapour density</b>			
Remarks	not determined		
<b>Solubility in water</b>			
Remarks	not determined		
<b>Solubility(ies)</b>			
Remarks	not determined		
<b>Partition coefficient: n-octanol/water</b>			
Remarks	not determined		
<b>Ignition temperature</b>			
Remarks	not determined		
<b>Auto-ignition temperature</b>			
Value	351		°C

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**Decomposition temperature**

Remarks not determined

**Explosive properties**

evaluation not determined

**Oxidising properties**

Remarks not determined

**9.2. Other information****Other information**

None known

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No hazardous reactions when stored and handled according to prescribed instructions.

**10.2. Chemical stability**

No hazardous reactions known.

**10.3. Possibility of hazardous reactions**

Oxidising agents

**10.4. Conditions to avoid**

No hazardous reactions known.

**10.5. Incompatible materials**

Oxidising agents, Reactions with strong acids.

**10.6. Hazardous decomposition products**

Possible in traces

**Other information**

Relevant information in Section 2:

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute oral toxicity**

Remarks Based on available data, the classification criteria are not met.

**Acute oral toxicity (Components)****Paraffin oils (Petroleum), catalytic dewaxed heavy; Baseoil - unspecified**

Species	Rats (male/female)	
LD50	> 5000	mg/kg
Method	OECD 401	
Remarks	Test conducted with a similar formulation.	



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**Acute dermal toxicity**

Remarks Based on available data, the classification criteria are not met.

**Acute dermal toxicity (Components)****Paraffin oils (Petroleum), catalytic dewaxed heavy; Baseoil - unspecified**

Species	rabbit		
LD50	>	5000	mg/kg
Method	OECD 402		
Remarks	Test conducted with a similar formulation.		

**Acute inhalational toxicity**

Remarks Based on available data, the classification criteria are not met.

**Acute inhalative toxicity (Components)****zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)**

LC50	>	2	mg/l
Duration of exposure	1	h	

**Paraffin oils (Petroleum), catalytic dewaxed heavy; Baseoil - unspecified**

Species	rat		
LC50	>	5,53	mg/l
Duration of exposure	4	h	
Administration/Form	Dust/Mist		
Method	OECD 403		
Remarks	Test conducted with a similar formulation.		

**Skin corrosion/irritation**

Remarks Based on available data, the classification criteria are not met.

**Serious eye damage/irritation**

Remarks Based on available data, the classification criteria are not met.

**Serious eye damage/irritation (Components)****Paraffin oils (Petroleum), catalytic dewaxed heavy; Baseoil - unspecified**

evaluation	non-irritant		
Method	OECD 405		

**Sensitization**

Route of exposure	dermal		
evaluation	A sensitization is possible for persons who are sensitive.		
Remarks	Based on available data, the classification criteria are not met.		

**Sensitization (Components)****zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)**

Route of exposure	dermal		
Species	guinea pig		
evaluation	non-sensitizing		
Method	OECD 406		

**Paraffin oils (Petroleum), catalytic dewaxed heavy; Baseoil - unspecified**

evaluation	non-sensitizing		
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Method OECD 406  
Remarks Test conducted with a similar formulation.

**Subacute, subchronic, chronic toxicity**

Remarks not determined

**Mutagenicity**

Remarks Based on available data, the classification criteria are not met.

**Reproductive toxicity**

Remarks Based on available data, the classification criteria are not met.

**Carcinogenicity**

Remarks Based on available data, the classification criteria are not met.

**Specific Target Organ Toxicity (STOT)****Single exposure**

Remarks Based on available data, the classification criteria are not met.

**Repeated exposure**

Remarks Based on available data, the classification criteria are not met.

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**Ingredient data****Acute oral toxicity (Components)****Paraffin oils (Petroleum), catalytic dewaxed heavy; Baseoil - unspecified**

Species Rats (male/female)  
LD50 > 5000 mg/kg  
Method OECD 401  
Remarks Test conducted with a similar formulation.

**Acute dermal toxicity (Components)****Paraffin oils (Petroleum), catalytic dewaxed heavy; Baseoil - unspecified**

Species rabbit  
LD50 > 5000 mg/kg  
Method OECD 402  
Remarks Test conducted with a similar formulation.

**Acute inhalative toxicity (Components)****zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)**

LC50 > 2 mg/l  
Duration of exposure 1 h

**Paraffin oils (Petroleum), catalytic dewaxed heavy; Baseoil - unspecified**

Species rat  
LC50 > 5,53 mg/l  
Duration of exposure 4 h  
Administration/Form Dust/Mist  
Method OECD 403

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Remarks Test conducted with a similar formulation.

**Serious eye damage/irritation (Components)****Paraffin oils (Petroleum), catalytic dewaxed heavy; Baseoil - unspecified**

evaluation	non-irritant
Method	OECD 405

**Sensitization (Components)****zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)**

Route of exposure	dermal
Species	guinea pig
evaluation	non-sensitizing
Method	OECD 406

**Paraffin oils (Petroleum), catalytic dewaxed heavy; Baseoil - unspecified**

evaluation	non-sensitizing
Method	OECD 406
Remarks	Test conducted with a similar formulation.

**Other information**

No toxicological data are available.

**SECTION 12: Ecological information****12.1. Toxicity****General information**

not determined

**Fish toxicity (Components)****zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)**

Species	rainbow trout (Oncorhynchus mykiss)		
LC50	4,5		mg/l
Duration of exposure	96	h	
Method	OECD 203		

**Paraffin oils (Petroleum), catalytic dewaxed heavy; Baseoil - unspecified**

Species	Fathead minnow (Pimephales promelas)		
LL50	> 100		mg/l
Duration of exposure	96	h	
Method	OECD 203		
Remarks	Test conducted with a similar formulation.		

**Daphnia toxicity (Components)****zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)**

Species	Daphnia magna		
EL50	5,4		mg/l
Duration of exposure	48	h	
Method	OECD 202		

**Paraffin oils (Petroleum), catalytic dewaxed heavy; Baseoil - unspecified**

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Species	Daphnia magna	
EL50	> 10000	mg/l
Duration of exposure	48	h
Method	OECD 202	
Remarks	Test conducted with a similar formulation.	

**Paraffin oils (Petroleum), catalytic dewaxed heavy; Baseoil - unspecified**

LL50	> 10000	mg/l
Duration of exposure	96	h
Method	OECD 202	
Remarks	Test conducted with a similar formulation.	

**Paraffin oils (Petroleum), catalytic dewaxed heavy; Baseoil - unspecified**

NOEL	> 10000	mg/l
Duration of exposure	96	h
Method	OECD 202	
Remarks	Test conducted with a similar formulation.	

**Paraffin oils (Petroleum), catalytic dewaxed heavy; Baseoil - unspecified**

Species	Daphnia magna	
NOEL	10	mg/l
Duration of exposure	21	d
Method	OECD 211	
Remarks	Test conducted with a similar formulation.	

**Algae toxicity (Components)****zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)**

Species	Selenastrum capricornutum	
EbC50	2,1	mg/l
Duration of exposure	96	h
Method	OECD 201	

**Paraffin oils (Petroleum), catalytic dewaxed heavy; Baseoil - unspecified**

Species	Pseudokirchneriella subcapitata	
NOEL	> 100	mg/l
Duration of exposure	72	h
Method	OECD 201	
Remarks	Test conducted with a similar formulation.	

**12.2. Persistence and degradability****General information**

not determined

**Biodegradability**

evaluation not readily degradable

**Biodegradability (Components)****zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)**

Value	1,5	%
Duration of test	28	d
evaluation	not readily degradable	

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**Paraffin oils (Petroleum), catalytic dewaxed heavy; Baseoil - unspecified**  
 evaluation not readily degradable

### 12.3. Bioaccumulative potential

#### General information

not determined

#### Partition coefficient: n-octanol/water

Remarks not determined

#### Octanol/water partition coefficient (log Pow) (Components)

zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)

log Pow	0,9	
Temperature	23	°C

### 12.4. Mobility in soil

#### General information

not determined

### 12.5. Results of PBT and vPvB assessment

#### General information

not determined

### 12.6. Other adverse effects

#### General information

not determined

#### General information / ecology

Do not discharge product unmonitored into the environment.

## **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

#### Disposal recommendations for the product

EWC waste code 13 02 08\* other engine, gear and lubricating oils  
 Allocation of a waste code number, according to the European Waste Catalogue (EWC), should be carried out in agreement with the regional waste disposal company.  
 Dispose of waste according to applicable legislation.

#### Disposal recommendations for packaging

Packaging that cannot be cleaned should be disposed off in agreement with the regional waste disposal company.

EWC waste code	15 01 10*	packaging containing residues of or contaminated by dangerous substances
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## **SECTION 14: Transport information**

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	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number	The product does not constitute a hazardous substance in land transport.-	The product does not constitute a hazardous substance in sea transport.-	The product does not constitute a hazardous substance in air transport.-
14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)	-	-	-
Label			
14.4. Packing group	-	-	-
14.5. Environmental hazards	-	no	-

**Information for all modes of transport****14.6. Special precautions for user**

See Sections 6 to 8

**Other information****14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Other information**

There is no data available on the product apart from the information given in this subsection.

**15.2. Chemical safety assessment**

For this preparation a chemical safety assessment has not been carried out.

**SECTION 16: Other information****Hazard statements listed in Chapter 3**

H315

Causes skin irritation.

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H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.

### CLP categories listed in Chapter 3

Aquatic Chronic 2	Hazardous to the aquatic environment, chronic, Category 2
Eye Dam. 1	Serious eye damage, Category 1
Skin Irrit. 2	Skin irritation, Category 2
Skin Sens. 1B	Skin sensitization, Category 1B
STOT RE 2	Specific target organ toxicity - repeated exposure, Category 2

### Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: \*\*\*

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.