according to Regulation (EC) No. 1907/2006



## **LUKOIL GENESIS SPECIAL RACING 10W-60**

Version 1.0 Revision Date 13.03.2015 Print Date 11.04.2016

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

1.1 Product identifier

Trade name : LUKOIL GENESIS SPECIAL RACING 10W-60

Product code : 563109

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

Use of the Sub- : Engine oil

stance/Mixture

1.3 Details of the supplier of the safety data sheet

Company : Lukoil Lubricants Europe Oy

Ölhafen Lobau – Uferstr. 8

1220 Wien Austria

Telephone : +43 (1) 205 222 - 8800

Responsible/issuing person : info.product-safety@lukoil.com

1.4 Emergency telephone number

Telephone : +43 (1) 205 222 - 8800

(5d/08:00 - 17:00)

### **SECTION 2: Hazards identification**

## 2.1 Classification of the substance or mixture

### Classification (REGULATION (EC) No 1272/2008)

Eye irritation, Category 2 H319: Causes serious eye irritation.

Chronic aquatic toxicity, Category 3 H412: Harmful to aquatic life with long lasting ef-

fects.

Classification (67/548/EEC, 1999/45/EC)

Dangerous for the environment R52/53: Harmful to aquatic organisms, may cause

long-term adverse effects in the aquatic environ-

ment.

#### 2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)



## **LUKOIL GENESIS SPECIAL RACING 10W-60**

Version 1.0 Revision Date 13.03.2015 Print Date 11.04.2016

Hazard pictograms :

Signal word : Warning

Hazard statements : H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting ef-

fects.

Precautionary statements : Prevention:

P264 Wash skin thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear eye protection/ face protection.

Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with wa-

ter for several minutes. Remove contact lenses, if present and easy to do. Continue

rinsing.

P337 + P313 If eye irritation persists: Get medical advice/

attention.

Disposal:

P501 Dispose of contents/ container to an ap-

proved waste disposal plant.

#### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. Material can create slippery conditions.

## **SECTION 3: Composition/information on ingredients**

#### 3.2 Mixtures

Chemical nature : Mixture

Hydrocarbons Additives

## **Hazardous components**

Che	emical Name	CAS-No.	Classification	Classification	Concentration
		EC-No.	(67/548/EEC)	(REGULATION	[%]
		Registration num-		(EC) No	
		ber		1272/2008)	

The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346 "Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions - Dimethyl sulphoxide extraction refractive index method", Institute of Petroleum, London. This note applies only to certain complex oil-derived substances in Part 3. :

Phosphorodithioic	84605-29-8	N-Xi; R38-R41-	Aquatic Chronic2;	>= 1 - < 2,5
acid, mixed O,O-	283-392-8	R51/53	H411	



# **LUKOIL GENESIS SPECIAL RACING 10W-60**

Version 1.0 Revision Date 13.03.2015 Print Date 11.04.2016

bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts			Skin Irrit.2; H315 Eye Dam.1; H318	
diphenylamine	122-39-4 204-539-4	N; R50-R53 R33 T; R23/24/25	Acute Tox.3; H301 Acute Tox.3; H311 Acute Tox.3; H331 STOT RE2; H373 Aquatic Acute1; H400 Aquatic Chronic1; H410	>= 0,1 - < 0,25
2,6-di-tert-butylphenol	128-39-2 204-884-0	N; N; R50/53	Skin Irrit.2; H315 Aquatic Chronic1; H410 Aquatic Acute1; H400	>= 0,1 - < 1
Phenol, dodecyl-, branched	121158-58-5 310-154-3	N; R50/53 X; R36/38-R62	Skin Irrit.2; H315 Eye Irrit.2; H319 Repr.2; H361 Aquatic Acute1; H400 Aquatic Chronic1; H410	>= 0,1 - < 0,25
baseoil - unspecified	distillates (petrole- um), hydrotreated heavy paraffinic 265-157-1		Asp. Tox.1; H304	<= 12

## **SECTION 4: First aid measures**

## 4.1 Description of first aid measures

General advice : First aider needs to protect himself.

If inhaled : If breathed in, move person into fresh air.

Move to fresh air in case of accidental inhalation of vapours.

In case of skin contact : Wash skin thoroughly with soap and water or use recognized

skin cleanser.

If on clothes, remove clothes.

In case of eye contact : Irrigate copiously with clean, fresh water for at least 10

minutes, holding the eyelids apart. Keep eye wide open while rinsing.

If eye irritation persists, consult a specialist.

If swallowed : Do NOT induce vomiting.

Obtain medical attention.

When symptoms persist or in all cases of doubt seek medical



## **LUKOIL GENESIS SPECIAL RACING 10W-60**

Version 1.0 Revision Date 13.03.2015 Print Date 11.04.2016

advice.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : Gastrointestinal discomfort

Stomach/intestinal disorders

Vomiting Pneumonia irritant effects

Risks : May cause eye irritation.

Risk of product entering the lungs on vomiting after ingestion. Aspiration may cause pulmonary oedema and pneumonitis.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Later control for pneumonia and lung oedema.

## **SECTION 5: Firefighting measures**

5.1 Extinguishing media

Suitable extinguishing media : Dry powder

Foam

Carbon dioxide (CO2)

Unsuitable extinguishing

media

: High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-

fighting

: Vapours are heavier than air and may spread along floors.

Vapours may form explosive mixtures with air.

Cool closed containers exposed to fire with water spray.

5.3 Advice for firefighters

Special protective equipment

for firefighters

: In the event of fire, wear self-contained breathing apparatus. Extinguishing media - large fires Complete suit protecting

against chemicals

Further information : Fire residues and contaminated fire extinguishing water must

be disposed of in accordance with local regulations.

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

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

Personal precautions : Keep people away from and upwind of spill/leak.

Use personal protective equipment.

First aider needs to protect himself.

Avoid contact with skin, eyes and clothing.



## **LUKOIL GENESIS SPECIAL RACING 10W-60**

Version 1.0 Revision Date 13.03.2015 Print Date 11.04.2016

Ensure adequate ventilation, especially in confined areas. The danger areas must be delimited and identified using rele-

vant warning and safety signs.

Refer to section 15 for specific national regulation.

## 6.2 Environmental precautions

Environmental precautions : Prevent further leakage or spillage.

Avoid subsoil penetration. Do not contaminate water.

Prevent product from entering drains.

Local authorities should be advised if significant spillages

cannot be contained.

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

Methods for cleaning up : Use mechanical handling equipment.

Soak up with oil absorbent material.

Offer surplus and non-recyclable solutions to a licensed dis-

posal company.

#### 6.4 Reference to other sections

For personal protection see section 8.

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

### 7.1 Precautions for safe handling

Advice on safe handling : Take care to avoid waste and spillage when weighing, loading

and mixing the product.

Avoid formation of aerosol.

Use only in area provided with appropriate exhaust ventilation.

Provide exhaust ventilation close to floor level.

Do not get on skin or clothing.

Avoid inhalation, ingestion and contact with skin and eyes.

Advice on protection against

fire and explosion

: To avoid ignition of vapours by static electricity discharge, all

metal parts of the equipment must be grounded.

Vapours are heavier than air and may spread along floors.

Vapours may form explosive mixtures with air.

Take measures to prevent the build up of electrostatic charge.

Keep away from heat and sources of ignition.

Keep in a bunded area.

Do not smoke.

Hygiene measures : Remove all contaminated clothing under the shower.

Wash contaminated clothing before re-use.

Do not get in eyes.

Avoid contact with skin and clothing.

Fire-fighting class : Fires involving liquids or liquid containing substances. Also

includes substances which become liquid at elevated temper-

atures.



## **LUKOIL GENESIS SPECIAL RACING 10W-60**

Version 1.0 Revision Date 13.03.2015 Print Date 11.04.2016

## 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage

areas and containers

: Keep tightly closed.

Keep in a well-ventilated place.

To prevent leaks or spillages from spreading, provide a suita-

ble liquid retention system.

Further information on stor-

age conditions

: Keep away from heat and sources of ignition.

Advice on common storage : Do not store together with explosives, gases, oxidizing solids,

products which form flammable gases in contact with water, oxidizing products, infectious products and radioactive prod-

ucts

Do not store together with oxidizing and self-igniting products. Do not store together with explosives, oxidizing agents, organ-

ic peroxides and infectious products.

Do not store together with acids and ammonium salts.

7.3 Specific end use(s)

Specific use(s) : For further information, refer to the product technical data

sheet.

## **SECTION 8: Exposure controls/personal protection**

## 8.1 Control parameters

### **Occupational Exposure Limits**

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
diphenylamine	122-39-4	TWA	10 mg/m3	GB EH40
diphenylamine	122-39-4	STEL	20 mg/m3	GB EH40

### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

No data available

### 8.2 Exposure controls

## Personal protective equipment

Eye protection : Wear the following personal protective equipment:

Safety glasses with side-shields conforming to EN166

Hand protection

Material : Nitrile rubber
Break through time : 480 min
Glove thickness : 0,40 mm
Directive : DIN EN 374
Viton (R)

Viton (R) 480 min



## **LUKOIL GENESIS SPECIAL RACING 10W-60**

Version 1.0 Revision Date 13.03.2015 Print Date 11.04.2016

0,70 mm DIN EN 374 butyl-rubber 120 min 0,70 mm DIN EN 374 Neoprene 60 min 0,60 mm DIN EN 374

Remarks : Take note of the information given by the producer concerning

permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact). Be aware that in daily use the durability of a chemical resistant protective glove can be notably shorter than the break through time measured according to EN 374, due to the numerous

outside influences (e.g. temperature).

The choice of an appropriate glove does not only depend on its material but also on other quality features and is different

from one producer to the other.

Skin and body protection : Flame retardant protective clothing

Workers should wear antistatic footwear.

Respiratory protection : In the case of vapour formation use a respirator with an ap-

proved filter.

Respirator with filter type A

The filter class for the respirator must be suitable for the max-

imum expected contaminant concentration

(gas/vapour/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-

contained breathing apparatus must be used.

Suitable respiratory equipment:

Self-contained breathing apparatus (EN 133)

## **SECTION 9: Physical and chemical properties**

## 9.1 Information on basic physical and chemical properties

Appearance : liquid
Colour : brown

Odour : No data available
Odour Threshold : No data available
pH : No data available

pour point : < -30 °C

Method: ISO 3016

: No data available



# **LUKOIL GENESIS SPECIAL RACING 10W-60**

Version 1.0 Revision Date 13.03.2015 Print Date 11.04.2016

Flash point : > 220 °C

Method: ISO 2592

Evaporation rate : No data available : No data available Burning rate Upper explosion limit : No data available Lower explosion limit : No data available Vapour pressure : No data available Vapour density : No data available Relative density : No data available : 0,862 g/cm3 (15 °C) Density

Method: DIN 51757

Bulk density : No data available Water solubility : < 0,01 g/l (20 °C)

Solubility in other solvents : No data available

Partition coefficient: n-

octanol/water

: No data available

Auto-ignition temperature : No data available Ignition temperature : No data available Thermal decomposition : No data available Viscosity, dynamic : not determined Viscosity, kinematic : 24 mm2/s (100 °C) Method: ISO 3104

> 114,2 mm2/s (40 °C) Method: ISO 3104

Flow time : No data available Explosive properties : Not explosive

Oxidizing properties : The substance or mixture is not classified as oxidizing.

9.2 Other information

Self-heating substances : No data available Impact sensitivity : No data available Surface tension : No data available

according to Regulation (EC) No. 1907/2006



## **LUKOIL GENESIS SPECIAL RACING 10W-60**

Version 1.0 Revision Date 13.03.2015 Print Date 11.04.2016

: No data available

Molecular weight : No data available

## **SECTION 10: Stability and reactivity**

### 10.1 Reactivity

The product is chemically stable.

### 10.2 Chemical stability

The product is chemically stable.

## 10.3 Possibility of hazardous reactions

Hazardous reactions : Incompatible with strong acids and oxidizing agents.

#### 10.4 Conditions to avoid

Conditions to avoid : None known.

### 10.5 Incompatible materials

Materials to avoid : Strong acids and oxidizing agents

### 10.6 Hazardous decomposition products

Hazardous decomposition

products

: No decomposition if stored and applied as directed.

## **SECTION 11: Toxicological information**

### 11.1 Information on toxicological effects

## Acute toxicity

### **Product:**

Acute oral toxicity : Acute toxicity estimate : > 2.000 mg/kg

Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate : > 20 mg/l

Exposure time: 4 h
Test atmosphere: vapour
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate : > 2.000 mg/kg

Method: Calculation method

Acute toxicity (other routes of

administration) No data available

according to Regulation (EC) No. 1907/2006



# **LUKOIL GENESIS SPECIAL RACING 10W-60**

Version 1.0 Revision Date 13.03.2015 Print Date 11.04.2016

**Components:** 

diphenylamine:

Acute oral toxicity : LD50 Rat: > 800 mg/kg

Method: No information available.

Acute dermal toxicity : LD50 Rabbit: > 2.000 mg/kg

Method: No information available.

baseoil - unspecified:

Acute oral toxicity : LD50 Oral Rat: > 5.000 mg/kg

Method: CONCAWE

Acute inhalation toxicity : LC50 Rat: > 5,53 mg/l

Method: CONCAWE

Acute dermal toxicity : LD50 Dermal Rat: > 2.000 mg/kg

Method: CONCAWE

### Skin corrosion/irritation

#### **Product:**

slight irritation

Non persistent irritation

### **Components:**

## diphenylamine:

Result: No skin irritation

Method: OECD Test Guideline 404 This information is not available.

## Serious eye damage/eye irritation

### **Product:**

Non persistent irritation

## **Components:**

### diphenylamine:

Result: Mild eye irritation

Method: OECD Test Guideline 405

European Union Risk Assessment Report DIPHENYLAMINE 2008

### Respiratory or skin sensitisation

## **Product:**

according to Regulation (EC) No. 1907/2006



## **LUKOIL GENESIS SPECIAL RACING 10W-60**

Version 1.0 Revision Date 13.03.2015 Print Date 11.04.2016

No known sensitising effect.

Germ cell mutagenicity

Product:

Genotoxicity in vitro : No data available

Genotoxicity in vivo : No data available

Germ cell mutagenicity- As-

sessment

: No data available

**Components:** 

diphenylamine:

Genotoxicity in vitro : No data available

Genotoxicity in vivo : Test Type Transgenic rodent somatic cell gene mutation as-

say

Method: OECD Test Guideline 474

Result: negative

Carcinogenicity

**Product:** 

This information is not available.

Carcinogenicity - Assess-

ment

: No data available

**Components:** 

diphenylamine:

Method: OECD Test Guideline 453

Result: negative

Reproductive toxicity

Product:

Effects on fertility

This information is not available.

Effects on foetal develop-

ment

: This information is not available.

Reproductive toxicity - As-

sessment

: No data available

STOT - single exposure

according to Regulation (EC) No. 1907/2006



# **LUKOIL GENESIS SPECIAL RACING 10W-60**

Version 1.0 Revision Date 13.03.2015 Print Date 11.04.2016

### **Product:**

No data available

## STOT - repeated exposure

### **Product:**

No data available

## Repeated dose toxicity

## **Product:**

This information is not available.

Repeated dose toxicity -

: No data available

Assessment

## **Components:**

diphenylamine:

Repeated dose toxicity - : NOAEL: Dose 2 mg/kg /d

Assessment

## Aspiration toxicity

## **Product:**

No data available

## **Further information**

### **Product:**

No data available

## **SECTION 12: Ecological information**

## 12.1 Toxicity

### **Product:**

Toxicity to fish (Chronic tox-

: No data available

icity)

Toxicity to daphnia and other

aquatic invertebrates (Chron-

ic toxicity)

: No data available

**Ecotoxicology Assessment** 

Acute aquatic toxicity : Harmful to aquatic organisms., Harmful to aquatic life.

according to Regulation (EC) No. 1907/2006



## **LUKOIL GENESIS SPECIAL RACING 10W-60**

Version 1.0 Revision Date 13.03.2015 Print Date 11.04.2016

Chronic aquatic toxicity : Harmful to aquatic organisms, may cause long-term adverse

effects in the aquatic environment., Harmful to aquatic life with

long lasting effects.

Toxicity Data on Soil : No data available

Other organisms relevant to

the environment

: No data available

**Components:** 

diphenylamine:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 3,79 mg/l

Exposure time: 96 h

Toxicity to daphnia and other

aquatic invertebrates

: EC50 (Daphnia magna (Water flea)): 2 mg/l

Exposure time: 48 h Test Type: Immobilization

Method: European Chemicals Agency - ECHA

Toxicity to algae : EC50 : 2,17 mg/l

Exposure time: 72 h

Toxicity to daphnia and other

aquatic invertebrates (Chron-

ic toxicity)

: 2 mg/l

Exposure time: 48 h

Species: Daphnia magna (Water flea)

Method: No data available

baseoil - unspecified:

Toxicity to fish : LL50 (Fish): > 100 mg/l

Toxicity to algae : NOEL (algae): > 100 mg/l

12.2 Persistence and degradability

**Product:** 

Biodegradability : Result: Not readily biodegradable.

Physico-chemical removabil-

: The product is insoluble and floats on water.

ity

May be separated mechanically in waste water plants.

Impact on Sewage Treat-

ment

: No data available

12.3 Bioaccumulative potential

**Product:** 

Bioaccumulation : No data available

12.4 Mobility in soil

**Product:** 

according to Regulation (EC) No. 1907/2006



## **LUKOIL GENESIS SPECIAL RACING 10W-60**

Version 1.0 Revision Date 13.03.2015 Print Date 11.04.2016

Mobility : Should not be released into the environment.

Distribution among environ-

mental compartments

: No data available

#### 12.5 Results of PBT and vPvB assessment

**Product:** 

Assessment : This substance/mixture contains no components considered

to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (VPVB) at levels of

0.1% or higher.

12.6 Other adverse effects

**Product:** 

Additional ecological infor-

mation

: Should not be released into the environment.

Do not let product enter drains.

## **SECTION 13: Disposal considerations**

### 13.1 Waste treatment methods

Product : Dispose of in accordance with local regulations.

13 02 06\*

Contaminated packaging : Empty containers should be taken to an approved waste han-

dling site for recycling or disposal.

15 01 10\*

## **SECTION 14: Transport information**

## 14.1 UN number

ADR : Not dangerous goods
RID : Not dangerous goods
IMDG : Not dangerous goods
IATA : Not dangerous goods
ADN : Not dangerous goods
goods

## 14.2 Proper shipping name

ADR : Not dangerous goods
RID : Not dangerous goods
IMDG : Not dangerous goods
IATA : Not dangerous goods
ADN : Not dangerous goods



## **LUKOIL GENESIS SPECIAL RACING 10W-60**

Version 1.0 Revision Date 13.03.2015 Print Date 11.04.2016

14.3 Transport hazard class

ADR : Not dangerous goods
RID : Not dangerous goods
IMDG : Not dangerous goods
IATA : Not dangerous goods
ADN : Not dangerous goods

14.4 Packing group

ADR : Not dangerous goods
RID : Not dangerous goods
IMDG : Not dangerous goods
IATA : Not dangerous goods
ADN : Not dangerous goods
Special Provisions : Packed / Inland tanker

14.5 Environmental hazards

ADR : Not dangerous goods
RID : Not dangerous goods
IMDG : Not dangerous goods
IATA : Not dangerous goods
ADN : Not dangerous goods

14.6 Special precautions for user

Remarks : not required

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

Remarks : This product is being carried under the scope of MARPOL

Annex I

## **SECTION 15: Regulatory information**

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

Directive 1999/13/EC on the limitation of emissions of : Exempt

volatile organic compounds

Seveso II - Directive 2003/105/EC amending Council Directive 96/82/EC on the control of major-accident hazards involving dangerous substances

Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

Not applicable

## 15.2 Chemical Safety Assessment



## **LUKOIL GENESIS SPECIAL RACING 10W-60**

Version 1.0 Revision Date 13.03.2015 Print Date 11.04.2016

A Chemical Safety Assessment is not required for this substance.

#### **SECTION 16: Other information**

### Full text of R-Phrases

R23/24/25 : Toxic by inhalation, in contact with skin and if swallowed.

R33 : Danger of cumulative effects. R36/38 : Irritating to eyes and skin.

R38 : Irritating to skin.

R41 : Risk of serious damage to eyes. R50 : Very toxic to aquatic organisms.

R50/53 : Very toxic to aquatic organisms, may cause long-term adverse

effects in the aquatic environment.

R51/53 : Toxic to aquatic organisms, may cause long-term adverse

effects in the aquatic environment.

R53 : May cause long-term adverse effects in the aquatic environ-

ment

R62 : Possible risk of impaired fertility.

**Full text of H-Statements** 

H301 : Toxic if swallowed.

H304 : May be fatal if swallowed and enters airways.

H311 : Toxic in contact with skin.
H315 : Causes skin irritation.
H318 : Causes serious eye damage.
H319 : Causes serious eye irritation.

H331 : Toxic if inhaled.

H361 : Suspected of damaging fertility or the unborn child.

H373 : May cause damage to organs through prolonged or repeated

exposure.

H400 : Very toxic to aquatic life.

H410 : Very toxic to aquatic life with long lasting effects.H411 : Toxic to aquatic life with long lasting effects.

#### Full text of other abbreviations

Acute Tox. : Acute toxicity

Aquatic Acute : Acute aquatic toxicity
Aquatic Chronic : Chronic aquatic toxicity
Asp. Tox. : Aspiration hazard
Eye Dam. : Serious eye damage

Eye Irrit. : Eye irritation

Repr. : Reproductive toxicity

Skin Irrit. : Skin irritation

STOT RE : Specific target organ toxicity - repeated exposure

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

This safety datasheet only contains information relating to safety and does not replace any product

according to Regulation (EC) No. 1907/2006



# **LUKOIL GENESIS SPECIAL RACING 10W-60**

 Version 1.0
 Revision Date 13.03.2015
 Print Date 11.04.2016

information or product specification.