

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## LUKOIL GENESIS SPECIAL FD 5W-20

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 FD 5W-20  
Product code : 563115

#### 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.

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

Not a hazardous substance or mixture.

#### 2.2 Label elements

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

Hazard pictograms :



Signal word : Warning

Hazard statements : H319 Causes serious eye irritation.

Precautionary statements : **Prevention:**

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P264 Wash skin thoroughly after handling.  
P280 Wear eye protection/ face protection.  
**Response:**  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water 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 approved 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

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
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. :				
lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	baseoil - unspecified 276-738-4		Asp. Tox.1; H304	>= 70 - <= 90
bis(nonylphenyl)amine	36878-20-3 253-249-4	R53	Aquatic Chronic4; H413	>= 1 - < 10
zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)	93819-94-4 298-577-9	Xi; R38-R41 N; R51/53	Skin Irrit.2; H315 Eye Dam.1; H318 Aquatic Chronic2; H411	>= 1 - < 2,5

For explanation of abbreviations see section 16.

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### 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.<br>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.<br>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.<br>Keep eye wide open while rinsing.<br>If eye irritation persists, consult a specialist. |
| If swallowed            | : Do NOT induce vomiting.<br>Obtain medical attention.<br>When symptoms persist or in all cases of doubt seek medical advice.  |

#### 4.2 Most important symptoms and effects, both acute and delayed

- |          |  |
|----------|--|
| Symptoms | : Gastrointestinal discomfort<br>Stomach/intestinal disorders<br>Vomiting<br>Pneumonia<br>irritant effects   |
| Risks    | : May cause eye irritation.<br>Risk of product entering the lungs on vomiting after ingestion.<br>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<br>Foam<br>Carbon dioxide (CO <sub>2</sub> ) |
| Unsuitable extinguishing media | : High volume water jet                                   |

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### 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.

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## 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.  
Ensure adequate ventilation, especially in confined areas.  
The danger areas must be delimited and identified using relevant 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 disposal company.

### 6.4 Reference to other sections

For personal protection see section 8.

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## 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.

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- 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 temperatures.

### 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 suitable liquid retention system.
- Further information on storage 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 products.  
Do not store together with oxidizing and self-igniting products.  
Do not store together with explosives, oxidizing agents, organic 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.

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**SECTION 8: Exposure controls/personal protection****8.1 Control parameters**

Contains no substances with occupational exposure limit values.

**Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:**

bis(nonylphenyl)amine : End Use: Workers  
Exposure routes: Skin contact  
Potential health effects: Long-term systemic effects  
Value: 0,62 mg/kg  
End Use: Workers  
Exposure routes: Inhalation  
Potential health effects: Long-term systemic effects  
Value: 4,37 mg/m<sup>3</sup>  
End Use: Consumers  
Exposure routes: Skin contact  
Potential health effects: Long-term systemic effects  
Value: 0,31 mg/kg  
End Use: Consumers  
Exposure routes: Inhalation  
Potential health effects: Long-term systemic effects  
Value: 1,09 mg/m<sup>3</sup>  
End Use: Consumers  
Exposure routes: Ingestion  
Potential health effects: Long-term systemic effects  
Value: 0,31 mg/kg

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

bis(nonylphenyl)amine : Fresh water  
Value: 0,1 mg/l  
Marine water  
Value: 0,01 mg/l  
Fresh water sediment  
Value: 132000 mg/kg  
Marine sediment  
Value: 13200 mg/kg  
Soil  
Value: 263000 mg/kg

**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)  
480 min

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	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 approved filter. Respirator with filter type A The filter class for the respirator must be suitable for the maximum 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	: light brown
Odour	: No data available
Odour Threshold	: No data available
pH	: No data available
pour point	: < -36 °C
	: No data available
Flash point	: > 200 °C

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Method: Cleveland open cup

Evaporation rate : No data available  
Burning rate : No data available  
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  
Density : 0,848 g/cm<sup>3</sup> (20 °C)

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 : not determined

Auto-ignition temperature : No data available  
Ignition temperature : No data available  
Thermal decomposition : No data available  
Viscosity, dynamic : ≤ 6.600 mPa.s (-30 °C)  
Method: DIN 51377

Viscosity, kinematic : 45 mm<sup>2</sup>/s (40 °C)  
7,4 - 9,3 mm<sup>2</sup>/s (100 °C)

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  
: No data available



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Molecular weight : No data available

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### 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.

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### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

##### Acute toxicity

###### Product:

Acute oral toxicity : No data available

Acute inhalation toxicity : No data available

Acute dermal toxicity : No data available

Acute toxicity (other routes of administration) : No data available

###### Components:

###### **bis(nonylphenyl)amine:**

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

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Method: OECD Test Guideline 401

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

Acute inhalation toxicity : No data available

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

Method: OECD Test Guideline 402

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

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

Acute oral toxicity : LD50 Rat: 2.600 mg/kg

Method: No information available.

Test substance: yes

Harmful by ingestion.

Acute inhalation toxicity : No data available

Acute dermal toxicity : LD50 Rabbit: > 3.160 mg/kg

Method: OECD Test Guideline 402

Test substance: yes

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

## **Skin corrosion/irritation**

### **Product:**

slight irritation

Non persistent irritation

### **Components:**

#### **bis(nonylphenyl)amine:**

Species: Rabbit

Result: No skin irritation

Method: OECD Test Guideline 404

Test substance: yes

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

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

Species: Rabbit

Exposure time: 4 h

Result: Skin irritation

Method: OECD Test Guideline 404

Irritating to skin.

## **Serious eye damage/eye irritation**

### **Product:**

Eye irritation

Non persistent irritation

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### Components:

#### **bis(nonylphenyl)amine:**

Species: Rabbit

Result: No eye irritation

Method: OECD Test Guideline 405

Test substance: yes

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

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

Exposure time: 336 h

Result: Risk of serious damage to eyes.

Method: 16 CFR 1500.42

Test substance: yes

### **Respiratory or skin sensitisation**

#### Product:

No known sensitising effect.

### Components:

#### **bis(nonylphenyl)amine:**

Test Method: Maximisation Test (GPMT)

Exposure routes: Skin contact

Species: Guinea pig

Result: negative

Method: OECD Test Guideline 406

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

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

Exposure routes: Skin contact

Species: Guinea pig

Result: Does not cause skin sensitisation.

Method: OECD Test Guideline 406

### **Germ cell mutagenicity**

#### Product:

Genotoxicity in vitro : No data available

Genotoxicity in vivo : No data available

Germ cell mutagenicity- Assessment : No data available

### Components:

#### **bis(nonylphenyl)amine:**

Genotoxicity in vitro : Result: negative

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Genotoxicity in vivo : Test species: Mouse Result: negative

**zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate):**  
Germ cell mutagenicity- Assessment : No data available

### Carcinogenicity

#### Product:

This information is not available.

Carcinogenicity - Assessment : No data available

#### Components:

**bis(nonylphenyl)amine:**

This information is not available.

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

This information is not available.

### Reproductive toxicity

#### Product:

Effects on fertility :  
This information is not available.

Effects on foetal development : This information is not available.

Reproductive toxicity - Assessment : No data available

#### Components:

**bis(nonylphenyl)amine:**

Effects on fertility :  
This information is not available.

**zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate):**  
No data available

Reproductive toxicity - Assessment : No data available

### STOT - single exposure

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### **Product:**

No data available

### **Components:**

#### **bis(nonylphenyl)amine:**

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

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

No data available

### **STOT - repeated exposure**

#### **Product:**

No data available

#### **Components:**

##### **bis(nonylphenyl)amine:**

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

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

No data available

### **Repeated dose toxicity**

#### **Product:**

This information is not available.

Repeated dose toxicity - : No data available  
Assessment

### **Aspiration toxicity**

#### **Product:**

No data available

#### **Components:**

##### **bis(nonylphenyl)amine:**

No data available

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

No data available

### **Further information**

#### **Product:**

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No data available

### SECTION 12: Ecological information

#### 12.1 Toxicity

##### Product:

Toxicity to fish (Chronic toxicity) : No data available

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : No data available

Ecotoxicology Assessment  
Acute aquatic toxicity : No data available

Chronic aquatic toxicity : No data available

Toxicity Data on Soil : No data available

Other organisms relevant to the environment : No data available

##### Components:

##### **bis(nonylphenyl)amine:**

Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 100 mg/l  
Exposure time: 96 h  
Test Type: static test  
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l  
Exposure time: 48 h  
Test Type: static test  
Test substance: yes  
Method: OECD Test Guideline 202

Toxicity to algae : EC50 (Desmodesmus subspicatus (Scenedesmus subspicatus)): > 100 mg/l  
Exposure time: 72 h  
Test Type: static test  
Method: OECD Test Guideline 201

Toxicity to bacteria :  
No data available

Toxicity to fish (Chronic toxicity) : No data available

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Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : No data available

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

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 4,5 mg/l  
Exposure time: 96 h  
Test Type: semi-static test  
Method: OECD Test Guideline 203  
Toxic to aquatic organisms.

Toxicity to daphnia and other aquatic invertebrates : EL50 (Daphnia magna (Water flea)): 5,4 mg/l  
Exposure time: 48 h  
Test Type: static test  
Analytical monitoring: yes  
Method: OECD Test Guideline 202  
Toxic to aquatic organisms.

Toxicity to algae : EbC50 (Selenastrum capricornutum (green algae)): 2,1 mg/l  
Exposure time: 96 h  
Test Type: static test  
Analytical monitoring: yes  
Method: OECD Test Guideline 201  
Toxic to aquatic organisms.

Toxicity to bacteria :  
No data available

Toxicity to fish (Chronic toxicity) : No data available

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : No data available

## 12.2 Persistence and degradability

### **Product:**

Biodegradability : Result: Not readily biodegradable.

Physico-chemical removability : The product is insoluble and floats on water.  
May be separated mechanically in waste water plants.

Impact on Sewage Treatment : No data available

### **Components:**

#### **bis(nonylphenyl)amine:**

Biodegradability : Test Type: aerobic  
Inoculum: activated sludge

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Result: Not biodegradable  
Biodegradation: 1 %  
Exposure time: 28 d  
Method: No information available.

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

Biodegradability : Test Type: aerobic  
Inoculum: activated sludge  
Concentration: 10 mg/l  
Result: not rapidly degradable  
Biodegradation: 1,5 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301B  
Test substance: yes  
According to the results of tests of biodegradability this product is not readily biodegradable.

### 12.3 Bioaccumulative potential

#### **Components:**

##### **bis(nonylphenyl)amine:**

Bioaccumulation : Bioaccumulation

Partition coefficient: n-octanol/water : log Pow: > 7,6

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

Bioaccumulation : Bioaccumulation is unlikely.

Partition coefficient: n-octanol/water : log Pow: 0,9 (23 °C)  
Method: OECD Test Guideline 107

### 12.4 Mobility in soil

#### **Product:**

Mobility : Should not be released into the environment.

#### **Components:**

##### **bis(nonylphenyl)amine:**

Stability in soil : Adsorbs on soil.

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

Stability in soil : Adsorbs on soil.

### 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.



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### Components:

#### **bis(nonylphenyl)amine:**

Assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT).  
This substance is not considered to be very persistent and very bioaccumulating (vPvB).

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

Assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT).  
This substance is not considered to be very persistent and very bioaccumulating (vPvB).

### 12.6 Other adverse effects

#### Product:

Additional ecological information : Should not be released into the environment.  
Do not let product enter drains.

### Components:

#### **bis(nonylphenyl)amine:**

Additional ecological information : Should not be released into the environment.

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

Additional ecological information : Should not be released into the environment.

## 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 handling site for recycling or disposal.

15 01 10\*

## SECTION 14: Transport information

### 14.1 UN number

ADR : Not dangerous goods

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

### 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

### 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
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### 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
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## 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 volatile organic compounds	: not required under normal use
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# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## LUKOIL GENESIS SPECIAL FD 5W-20

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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

A Chemical Safety Assessment is not required for this substance.

## SECTION 16: Other information

### Full text of R-Phrases

- |        |   |
|--------|---|
| R38    | : Irritating to skin.   |
| R41    | : Risk of serious damage to eyes.   |
| 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 environment.                             |

### Full text of H-Statements

- |      |   |
|------|---|
| H304 | : May be fatal if swallowed and enters airways.           |
| H315 | : Causes skin irritation.                                 |
| H318 | : Causes serious eye damage.                              |
| H411 | : Toxic to aquatic life with long lasting effects.        |
| H413 | : May cause long lasting harmful effects to aquatic life. |

### Full text of other abbreviations

- |                 |                            |
|-----------------|----------------------------|
| Aquatic Chronic | : Chronic aquatic toxicity |
| Asp. Tox.       | : Aspiration hazard        |
| Eye Dam.        | : Serious eye damage       |
| Skin Irrit.     | : Skin irritation          |

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