

## Motor oil LUKOIL GENESIS GLIDETECH 5W-30

Version	Revision Date:	Product code:	Date of last issue: -
1.0	12.10.2016	0253140864	Date of first issue: 12.10.2016
			Print Date: 12.10.2016

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

#### 1.1 Product identifier

Trade name : Motor oil LUKOIL GENESIS GLIDETECH 5W-30  
Product code : 0253140864

#### 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 : OOO «LLK-International»  
Malaya Yakimanka str. 6  
119180 Moscow  
Russian Fed.  
[www.lukoil-lubricants.com](http://www.lukoil-lubricants.com)

Address of manufacture:  
Promishlennaya str. 84  
614055 Perm  
Russian Fed.

Only representative:  
LUKOIL LUBRICANTS EAST EUROPE S.R.L.  
Tipografilor Str., A-2 building, GF 11-15  
013714 Bucharest  
Romania  
Telephone: +40 212272350  
Fax: +40 212323295

Telephone : +7 495 627-40-20  
Responsible/issuing person : [info.product-safety@lukoil.com](mailto:info.product-safety@lukoil.com)

#### 1.4 Emergency telephone number

Telephone : 24h/5d  
+7 495 627-40-20

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

**Classification (REGULATION (EC) No 1272/2008)**  
Not a hazardous substance or mixture.

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### 2.2 Label elements

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

Not a hazardous substance or mixture.

Precautionary statements : **Disposal:**  
P501 Dispose of contents/container to an approved facility in accordance with local, regional, national and international regulations.

#### Additional Labelling:

EUH210 Safety data sheet available on request.

### 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 (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. :			
distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7 265-157-1 01-2119484627-25	Asp. Tox.1; H304	>= 70 - < 90
paraffin oils (petroleum), catalytic dewaxed heavy	64742-70-7 265-174-4 01-2119487080-42-0004		>= 15 - < 30
bis(nonylphenyl)amine	36878-20-3 253-249-4 01-2119488911-28	Aquatic Chronic4; H413	>= 1 - < 2,5
zinc O,O',O',O'-tetrakis(1,3-dimethylbutyl)	2215-35-2 218-679-9	Skin Irrit.2; H315 Aquatic Chronic2; H411	>= 1 - < 2,5

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bis(phosphorodithioate)	01-2119953275-34		
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For explanation of abbreviations see section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- General advice : Never give anything by mouth to an unconscious person.
- If inhaled : Move to fresh air.  
If symptoms persist, call a physician.
- In case of skin contact : Wash off with warm water and soap.  
If on clothes, remove clothes.
- In case of eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Do NOT induce vomiting.  
Obtain medical attention.

#### 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.  
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 (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.

### 5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.  
Extinguishing media - large fires

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 : First aider needs to protect himself.  
Avoid contact with skin, eyes and clothing.  
Ensure adequate ventilation, especially in confined areas.  
Use personal protective equipment.  
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.

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

Methods for cleaning up : 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.  
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.

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- 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.  
Keep away from heat and sources of ignition.  
Keep in a bunded area.  
Do not smoke.  
Mixture may charge electrostatically: always use earthing leads when transferring from one container to another.
- Hygiene measures : Do not get in eyes.  
Take off all contaminated clothing immediately.  
Keep contaminated clothing under water.  
Remove all contaminated clothing under the shower.
- 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 containers tightly closed in a cool, well-ventilated place.
- 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.
- Other data : Keep away from direct sunlight.

### 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

#### 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

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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 : 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  
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

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permeability and break through times, and of special work-place 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 : tan
- Odour : No data available
- Odour Threshold : No data available
- pH : No data available
- pour point : -41 °C
- : No data available
- Flash point : 228 °C  
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

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Vapour density	: No data available
Relative density	: No data available
Density	: 0,849 g/cm <sup>3</sup> (20 °C)
Bulk density	: No data available
Water solubility	: < 0,01 g/l (20 °C, 1.013 mbar)
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: not determined
Auto-ignition temperature	: 347 °C
Ignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity, dynamic	: No data available
Viscosity, kinematic	: 67 mm <sup>2</sup> /s (40 °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
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



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Hazardous reactions : No dangerous reaction known under conditions of normal use.

### 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 : 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:

##### **distillates (petroleum), hydrotreated heavy paraffinic:**

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

Acute inhalation toxicity : LC50 Rat: > 5,53 mg/l  
Exposure time: 4 h  
Method: CONCAWE

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

##### **paraffin oils (petroleum), catalytic dewaxed heavy:**

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

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Information given is based on data obtained from similar substances.

Acute inhalation toxicity : LC50 Rat: > 5,53 mg/l  
Exposure time: 4 h  
Method: CONCAWE  
Information given is based on data obtained from similar substances.

Acute dermal toxicity : LD50 Rabbit: > 2.000 mg/kg  
Method: CONCAWE  
Information given is based on data obtained from similar substances.

**bis(nonylphenyl)amine:**  
Acute oral toxicity : LD50 Rat: > 5.000 mg/kg  
Method: OECD Test Guideline 401  
Based on available data, the classification criteria are not met.

Acute dermal toxicity : LD50 Rat: > 2.000 mg/kg  
Method: OECD Test Guideline 402  
Based on available data, the classification criteria are not met.

### Skin corrosion/irritation

**Product:**

slight irritation  
Non persistent irritation

**Components:**

**paraffin oils (petroleum), catalytic dewaxed heavy:**

Result: Mild skin irritation  
Method: CONCAWE  
Based on available data, the classification criteria are not met.

**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.

### Serious eye damage/eye irritation

**Product:**

Non persistent irritation

**Components:**

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**paraffin oils (petroleum), catalytic dewaxed heavy:**

Result: No eye irritation  
Method: CONCAWE  
Information given is based on data obtained from similar substances.

**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 O,O,O',O'-tetrakis(1,3-dimethylbutyl) bis(phosphorodithioate):**

Classification: Causes serious eye damage.  
Based on available data, the classification criteria are not met.  
Concentration limits  
SCL  
European Chemicals Agency - ECHA

### Respiratory or skin sensitisation

**Product:**

No known sensitising effect.

**Components:**

**paraffin oils (petroleum), catalytic dewaxed heavy:**

Result: negative  
Method: CONCAWE  
Information given is based on data obtained from similar substances.

**bis(nonylphenyl)amine:**

Test Method: Maximisation Test  
Exposure routes: Skin contact  
Species: Guinea pig  
Result: negative  
Method: OECD Test Guideline 406  
Based on available data, the classification criteria are not met.

### Germ cell mutagenicity

**Product:**

Genotoxicity in vitro : No data available

Genotoxicity in vivo : No data available

Germ cell mutagenicity- Assessment : No data available

**Components:**

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### paraffin oils (petroleum), catalytic dewaxed heavy:

Genotoxicity in vivo : Test Type: Micronucleus test  
Test species: Mouse  
Method: CONCAWE  
Result: negative

### bis(nonylphenyl)amine:

Genotoxicity in vitro : Result: negative

Genotoxicity in vivo : Test species: Mouse  
Result: negative

## Carcinogenicity

### Product:

This information is not available.

Carcinogenicity - Assessment : No data available

### Components:

#### paraffin oils (petroleum), catalytic dewaxed heavy:

Species: Mouse  
Application Route: Skin contact  
Method: CONCAWE  
Result: negative

#### bis(nonylphenyl)amine:

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:

#### paraffin oils (petroleum), catalytic dewaxed heavy:

Effects on foetal development : Application Route: Oral  
Method: OECD Test Guideline 421

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Result: negative  
CONCAWE

**bis(nonylphenyl)amine:**

Effects on fertility

:

This information is not available.

### STOT - single exposure

**Product:**

No data available

**Components:**

**paraffin oils (petroleum), catalytic dewaxed heavy:**

No data available

**bis(nonylphenyl)amine:**

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

### STOT - repeated exposure

**Product:**

No data available

**Components:**

**bis(nonylphenyl)amine:**

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

### Repeated dose toxicity

**Product:**

This information is not available.

Repeated dose toxicity - Assessment : No data available

**Components:**

**paraffin oils (petroleum), catalytic dewaxed heavy:**

No observed adverse effect level: Rabbit: 1000 mg/kg

Application Route: Skin contact

Method: OECD Test Guideline 407

No observed adverse effect level: : > 0,28 mg/l

Application Route: Inhalation

(local)

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No observed adverse effect level: : > 0,98 mg/l  
Application Route: Inhalation  
(systemic)

No observed adverse effect level: : > 2000 mg/kg  
Application Route: Skin contact  
Exposure time: 90 d  
Subchronic toxicity

### Aspiration toxicity

**Product:**

No data available

**Components:**

**distillates (petroleum), hydrotreated heavy paraffinic:**  
May be fatal if swallowed and enters airways.

**paraffin oils (petroleum), catalytic dewaxed heavy:**  
No data available

**bis(nonylphenyl)amine:**  
No data available

### Further information

**Product:**

No data available

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## 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

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



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Chronic aquatic toxicity : No data available

Toxicity Data on Soil : No data available

Other organisms relevant to the environment : No data available

### **Components:**

#### **distillates (petroleum), hydrotreated heavy paraffinic:**

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

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

Toxicity to fish (Chronic toxicity) : NOEL: 10 mg/l  
Species: Fish

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEL: 10 mg/l

#### **paraffin oils (petroleum), catalytic dewaxed heavy:**

Toxicity to fish : (Pimephales promelas (fathead minnow)): > 100 mg/l  
Exposure time: 96 h  
Test Type: LL50  
Method: No information available.

Toxicity to daphnia and other aquatic invertebrates : EL50 (Daphnia magna (Water flea)): > 10.000 mg/l  
Method: No information available.  
CONCAWE

LL50 : > 10.000 mg/l  
Exposure time: 96 h  
Test Type: semi-static test  
Method: No information available.  
European Chemicals Agency - ECHA

NOEL : > 10.000 mg/l  
Exposure time: 96 h  
Test Type: semi-static test  
Method: No information available.  
European Chemicals Agency - ECHA

Toxicity to algae : NOEL (Pseudokirchneriella subcapitata (green algae)): > 100 mg/l  
Exposure time: 72 h  
Test Type: Growth inhibition  
Method: No information available.  
CONCAWE

Toxicity to bacteria : NOEL (Photobacterium phosphoreum): > 1,93 mg/l  
Exposure time: 4 d

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Test Type: Respiration inhibition of activated sludge

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0,02 mg/l  
Species: Daphnia magna (Water flea)

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

Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 100 mg/l  
Exposure time: 4 d  
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: 2 d  
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: 3 d  
Test Type: static test  
Method: OECD Test Guideline 201

Toxicity to bacteria : EC50 (activated sludge): > 1.000 mg/l  
Exposure time: 0,1 d

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:**

#### **paraffin oils (petroleum), catalytic dewaxed heavy:**

Biodegradability : Result: not rapidly degradable

Stability in water : The product is insoluble and floats on water.

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

Biodegradability : Test Type: aerobic  
Inoculum: activated sludge



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Result: Not biodegradable  
Biodegradation: 1 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301B

### 12.3 Bioaccumulative potential

**Product:**

Bioaccumulation : No data available

Partition coefficient: n-octanol/water : not determined

**Components:**

**bis(nonylphenyl)amine:**

Bioaccumulation : Bioconcentration factor (BCF): 1.584,89

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

### 12.4 Mobility in soil

**Product:**

Mobility : Should not be released into the environment.

**Components:**

**bis(nonylphenyl)amine:**

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.

**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).

### 12.6 Other adverse effects

**Product:**

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

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mation Do not let product enter drains.

### Components:

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

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  
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

## Motor oil LUKOIL GENESIS GLIDETECH 5W-30

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**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

### 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

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.

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## SECTION 16: Other information

### Full text of H-Statements

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

### Full text of other abbreviations

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



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Aquatic Chronic	: Chronic aquatic toxicity
Asp. Tox.	: Aspiration hazard
Skin Irrit.	: Skin irritation

### Further information

Other information : Changes since the last version are highlighted in the margin.  
This version replaces all previous versions.

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.

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