

LUKOIL GENESIS SPECIAL C3 5W-30

Version	Revision Date:	Product code:	Date of last issue: -
1.0	22.05.2018	0253140853	Date of first issue: 22.05.2018
			Print Date: 22.05.2018

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

1.1 Product identifier

Trade name : LUKOIL GENESIS SPECIAL C3 5W-30
Product code : 0253140853

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

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: +40 244 504 654
Fax: +40 244 504 801

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

1.4 Emergency telephone number

Telephone : 24h/5d
+7-800-1000-911

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

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. None known.

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. :			
baseoil - unspecified*			>= 80 - < 100
bis(nonylphenyl)amine	36878-20-3 253-249-4 01-2119488911-28	Aquatic Chronic4; H413	>= 1 - < 2,5
C14-16-18 Alkyl phenol	01-2119498288-19	Skin Sens.1B; H317 STOT RE2; H373	>= 0,1 - < 1

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 : Treat symptomatically.
- If inhaled : If breathed in, move person into fresh air.
- In case of skin contact : Wash off with warm water and soap.
If on clothes, remove clothes.
- In case of eye contact : Immediately flush eye(s) with plenty of water.

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.
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.

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5.3 Advice for firefighters

- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus. Complete suit protecting against chemicals
- Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- 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 : Use personal protective equipment.
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.
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.

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.
Use only with adequate ventilation.
Avoid formation of aerosol.
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.
Mixture may charge electrostatically: always use earthing leads when transferring from one container to another.

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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 : Take off all contaminated clothing immediately.

General industrial hygiene practice.

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

Further occupational exposure limits

Description	Value type	Control parameters	Basis
TWA - 8 h	TWA	5 mg/m ³ (Mineral oils)	RU OEL

8.2 Exposure controls

Engineering measures

Provide adequate ventilation.

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Personal protective equipment

Eye protection : If splashes are likely to occur, wear:
Safety glasses with side-shields conforming to EN166

Hand protection
Material : Nitrile rubber
Break through time : 480 min
Glove thickness : 0,40 mm
Viton (R)
480 min
0,70 mm
butyl-rubber
120 min
0,70 mm
Neoprene
60 min
0,60 mm

Remarks : Protective gloves complying with EN 374.

This recommendation is only valid for the product mentioned in the safety data sheet and provided by us and for the application specified by us.
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).
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 : Wear suitable protective equipment.

Respiratory protection : No personal respiratory protective equipment normally required.

Protective measures : Avoid contact with the skin and the eyes.
Do not breathe vapours or spray mist.
Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing
These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions.

Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment
Please follow all applicable local/national requirements when selecting protective measures for a specific workplace.

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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	: -42 °C
	: No data available
Flash point	: 230 °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
Vapour density	: No data available
Relative density	: No data available
Density	: 0,851 g/cm ³ (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	: 356 °C
Ignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity, dynamic	: No data available
Viscosity, kinematic	: 63 mm ² /s (40 °C)
Flow time	: No data available

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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

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

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Acute inhalation toxicity : Based on available data, the classification criteria are not met.

Acute dermal toxicity : Based on available data, the classification criteria are not met.

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

Components:

baseoil - unspecified*:

Acute oral toxicity : LD50 Rat: > 5.000 mg/kg
Method: OECD Test Guideline 401
Information given is based on data obtained from similar substances.

Acute inhalation toxicity : LC50 Rat: > 5,53 mg/l
Exposure time: 4 h
Test atmosphere: Aerosol
Method: OECD Test Guideline 403
Information given is based on data obtained from similar substances.

Acute dermal toxicity : LD50 Rabbit: > 5.000 mg/kg
Method: OECD Test Guideline 402
Information given is based on data obtained from similar substances.

Skin corrosion/irritation

Product:

slight irritation
Non persistent irritation
Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation

Product:

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

Respiratory or skin sensitisation

Product:

Exposure routes: Skin contact
Result: May cause sensitisation of susceptible persons.

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Exposure routes: Inhalation
No known sensitising effect.
Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Product:

Genotoxicity in vitro : Based on available data, the classification criteria are not met.

Genotoxicity in vivo : Based on available data, the classification criteria are not met.

Germ cell mutagenicity- Assessment : Based on available data, the classification criteria are not met.

Carcinogenicity

Product:

Carcinogenicity - Assessment : Based on available data, the classification criteria are not met.

Components:

baseoil - unspecified*:
Carcinogenicity - Assessment : Classified based on DMSO extract content < 3% (Regulation (EC) 1272/2008, Annex VI, Part 3, Note L)

Reproductive toxicity

Product:

Effects on fertility : This information is not available.

Effects on foetal development : This information is not available.

Reproductive toxicity - Assessment : Based on available data, the classification criteria are not met.

STOT - single exposure

Product:

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

STOT - repeated exposure

Product:

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

Repeated dose toxicity

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Product:

This information is not available.

Repeated dose toxicity - Assessment : No data available

Aspiration toxicity

Product:

No aspiration toxicity classification

Further information

Product:

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:

baseoil - unspecified*:

Toxicity to fish : LL50 (Pimephales promelas (fathead minnow)): > 100 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203
Information given is based on data obtained from similar substances.

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- NOEL (Pimephales promelas (fathead minnow)): \geq 100 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203
Information given is based on data obtained from similar substances.
- Toxicity to daphnia and other aquatic invertebrates : EL50 (Daphnia magna (Water flea)): $>$ 10.000 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202
Information given is based on data obtained from similar substances.
- NOEL (Daphnia magna (Water flea)): \geq 1.000 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202
Information given is based on data obtained from similar substances.
- Toxicity to algae : NOEL (Pseudokirchneriella subcapitata (green algae)): \geq 100 mg/l
Exposure time: 72 h
Test Type: Growth inhibition
Method: OECD Test Guideline 201
Information given is based on data obtained from similar substances.
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEL: 10 mg/l
Exposure time: 21 d
Species: Daphnia magna (Water flea)
Method: OECD Test Guideline 211
Information given is based on data obtained from similar substances.

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

12.3 Bioaccumulative potential

Product:

- Bioaccumulation : No data available
- Partition coefficient: n-octanol/water : not determined

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12.4 Mobility in soil

Product:

Mobility : 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 information : 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 handling site for recycling or disposal.
Dispose of in accordance with local regulations.
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

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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

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

Remarks : Not applicable for product as supplied.

SECTION 15: Regulatory information

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

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

No data available

SECTION 16: Other information

Full text of H-Statements

H317 : May cause an allergic skin reaction.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



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- H373 : May cause damage to organs through prolonged or repeated exposure.
- H413 : May cause long lasting harmful effects to aquatic life.

Full text of other abbreviations

- Aquatic Chronic : Chronic aquatic toxicity
- Skin Sens. : Skin sensitisation
- STOT RE : Specific target organ toxicity - repeated exposure

Further information

- Other information : baseoil - unspecified*
CAS-No.
REACH No.
72623-87-1/01-2119474889-13;64742-70-7/01-2119487080-42
Changes since the last version are highlighted in the margin.
This version replaces all previous versions.

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