

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



LUKOIL GENESIS SPECIAL A5/B5 5W-30

Version 1.1

Revision Date 27.04.2015

Print Date 08.04.2016

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

1.1 Product identifier

Trade name : LUKOIL GENESIS SPECIAL A5/B5 5W-30
Product code : 563100

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 : P102 Keep out of reach of children.

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Prevention:

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	>= 80 - <= 90
bis(nonylphenyl)amine	36878-20-3 253-249-4 01-2119488911-28	R53	Aquatic Chronic4; H413	>= 1 - < 10
zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)	93819-94-4 298-577-9 01-2119543726-33	Xi; R38-R41 N; R51/53	Skin Irrit.2; H315 Eye Dam.1; H318 Aquatic Chronic2; H411	>= 1 - < 2,5

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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 | : 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 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 (CO ₂) |
| 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.

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.

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****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/m³
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/m³
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
0,70 mm

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	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 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	: brown
Odour	: No data available
Odour Threshold	: No data available
pH	: No data available
pour point	: < -30 °C Method: ISO 3016
	: No data available
Flash point	: > 210 °C

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Method: ISO 2592

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	: 849 kg/m ³ (20 °C) 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	: not auto-flammable
Ignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity, dynamic	: <= 6.600 mPa.s (-30 °C) Method: DIN 51377
Viscosity, kinematic	: 10,9 mm ² /s (100 °C) Method: ISO 3104 > 51,8 mm ² /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

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Molecular weight : No data available
: 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 : 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:

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lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based:

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

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 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.

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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

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

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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

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

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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

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 - Assessment

:

No data available

Aspiration toxicity

Product:

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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:

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

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	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
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:

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Biodegradability	: No data available
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 Result: Not biodegradable Biodegradation: 1 % Exposure time: 28 d Method: No information available.
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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.
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12.3 Bioaccumulative potential

Product:

Bioaccumulation	: No data available
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Components:

bis(nonylphenyl)amine:

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

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

Bioaccumulation	: Bioaccumulation is unlikely.
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Partition coefficient: n-octanol/water	: log Pow: 0,9 (23 °C) Method: OECD Test Guideline 107
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12.4 Mobility in soil

Product:

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Distribution among environmental compartments : No data available

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.

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.

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product	: ÖNORM S 2100, key code group 54
	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
IMDG	: Not dangerous goods
IATA	: Not dangerous goods
ADN	: Not dangerous goods
Special Provisions	: Packed / Inland tanker

14.5 Environmental hazards

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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 volatile organic compounds : not required under normal use

Fire Hazard Class : Exempt

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.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



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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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