

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 11.06.2025

Version number 4.00 (replaces version 3.01)

Revision: 11.06.2025

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

1.1 Product identifier

Trade name: **CLASSIC GALAR LM 80W-90 GL 4/5**

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

No further relevant information available.

Application of the substance / the mixture transmission oil

Uses advised against Currently no uses advised against have been identified.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

CLASSIC Schmierstoff GmbH & Co. KG

Lange Straße 100-106

D-27318 HOYA

DEUTSCHLAND

Telephone: +49 (4251) - 8120

products@classic-oil.de

Further information obtainable from: product management

1.4 Emergency telephone number: 24-hour emergency contact number : +1 872 5888271 (CSG)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The product is not classified, according to the CLP regulation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 Void

Hazard pictograms Void

Signal word Void

Hazard statements Void

Additional information:

Contains: Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched), Magnesium metaborate. May produce an allergic reaction.

Safety data sheet available on request.

2.3 Other hazards For information or further instructions, see also section 11 or 12.

Results of PBT and vPvB assessment

PBT:

CAS: 597-82-0	O,O,O-triphenyl phosphorothioate
---------------	----------------------------------

vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 68937-96-2	Polysulphides, di-tert-Bu	3-<5%
EINECS: 273-103-3	⚠ Skin Sens. 1B, H317; Aquatic Chronic 3, H412	
Reg.nr.: 01-2119540515-43	Specific concentration limit: Skin Sens. 1B; H317: C ≥ 46 %	

(Contd. on page 2)

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 11.06.2025

Version number 4.00 (replaces version 3.01)

Revision: 11.06.2025

Trade name: CLASSIC GALAR LM 80W-90 GL 4/5

(Contd. of page 1)

	Mineral oil *(64742-54-7, 64742-65-0, 64742-55-8, 64742-56-9) ⚠ Asp. Tox. 1, H304	1-<3%
EC number: 931-384-6 Reg.nr.: 01-2119493620-38	Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched) ⚠ Aquatic Chronic 2, H411; ⚠ Acute Tox. 4, H302; Eye Irrit. 2, H319; Skin Sens. 1, H317 Specific concentration limits: Eye Irrit. 2; H319: C ≥ 50 % Skin Sens. 1; H317: C ≥ 9.39 %	1-<3%
CAS: 597-82-0 EINECS: 209-909-9 Reg.nr.: 01-2119979545-21	O,O,O-triphenyl phosphorothioate ⚠ Aquatic Chronic 1, H410 (M=10) PBT	0.3-<0.5%
CAS: 13703-82-7 EINECS: 237-235-5 Reg.nr.: 01-2120769073-53	Magnesium metaborate ⚠ Skin Sens. 1B, H317	0.3-<0.5%

SVHC

CAS: 597-82-0 | O,O,O-triphenyl phosphorothioate

Additional information:

*The mineral oil can be described by one or more EINECS numbers. 265-157-1, 265-169-7, 265-158-7, 265-159-2, (REACH-no.: 01-2119484627-25, 01-2119471299-27, 01-2119487077-29, 01-2119480132-48)

For the wording of the listed hazard phrases refer to section 16.

Note L : 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.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

In case of accident or unwellness, seek medical advice immediately.

If possible, show operating instructions or safety data sheet.

After inhalation:

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In all cases of doubt, or when symptoms persist, seek medical advice.

After skin contact:

After contact with skin, wash immediately with plenty of water and soap. Change contaminated clothing. In case of skin irritation, seek medical treatment.

After eye contact:

Rinse immediately carefully and thoroughly with eye-bath or water. In case of troubles or persistent symptoms, consult an ophthalmologist.

After swallowing:

Do NOT induce vomiting. Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect).

Never give anything by mouth to an unconscious person or a person with cramps. When in doubt or if symptoms are observed, get medical advice.

4.2 Most important symptoms and effects, both acute and delayed

If swallowed or vomited, danger of entering the lungs.

4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

EU

(Contd. on page 3)

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 11.06.2025

Version number 4.00 (replaces version 3.01)

Revision: 11.06.2025

Trade name: **CLASSIC GALAR LM 80W-90 GL 4/5**

(Contd. of page 2)

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

Sand. Foam. Carbon dioxide (CO₂). Extinguishing powder. For large fires and large quantities: Water spray, water mist.

For safety reasons unsuitable extinguishing agents: Water with full jet

5.2 Special hazards arising from the substance or mixture

When burning strong soot development

In the event of fire, the following can be produced: Carbon monoxide, carbon dioxide (CO₂), sulphur oxides, nitrogen oxides (NO_x), phosphorus oxides, soot.

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. In case of fire: Wear self-contained breathing apparatus.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation

Particular danger of slipping on leaked/spilled product.

For non-emergency personnel Personal protective equipment

For emergency responders No special precautions are necessary.

6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course.

Prevent from spreading (e.g. by damming-in or oil barriers).

Do not allow to penetrate the ground/soil.

6.3 Methods and material for containment and cleaning up:

For containment

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

For cleaning up

Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Use personal protective equipment. Personal protective equipment: see section 8.

Avoid oil mist formation

Information about fire - and explosion protection:

Usual measures of preventive fire protection

Keep ignition sources away - Do not smoke.

Fire class B

Handling:

Information on general hygiene measures at the workplace:

Ensure thorough skin cleansing and skin care after work.

Do not carry product-soaked cleaning rags in trouser pockets.

Do not eat, drink or smoke at work.

(Contd. on page 4)

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 11.06.2025

Version number 4.00 (replaces version 3.01)

Revision: 11.06.2025

Trade name: CLASSIC GALAR LM 80W-90 GL 4/5

(Contd. of page 3)

Do not breathe vapour/aerosol. Avoid contact with eyes and skin.

Advices on general occupational hygiene: See section 8.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Keep container tightly closed in a dry, cool and well-ventilated place.

Use only receptacles specifically permitted for this substance/product.

Information about storage in one common storage facility:

Do not store together with: Gas. Explosives. Oxidizing substances. Radioactive substances. Infectious substances.

Further information about storage conditions:

Temperature control required. Protect from light. Keep container tightly closed. Do not allow contact with air.

Storage class: 10

7.3 Specific end use(s) See section 1.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

DNELs

Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched)

Oral	long-term, oral, systemic	0.25 mg/kg KG/d consumer
Dermal	DNEL, long-term, dermal, systemic	12.5 mg/kg KG/d workers
	DNEL, long-term, dermal, systemic	6.25 mg/kg KG/d consumer
	acute, dermal, local	0.024 mg/cm ² consumer
Inhalative	DNEL, long-term, inhalation, systemic	4.28 mg/m ³ workers
	DNEL, long-term, inhalation, systemic	1.09 mg/m ³ consumer

CAS: 597-82-0 O,O,O-triphenyl phosphorothioate

Oral	DNEL Long-term Oral (Systemic)	0.2 mg/kg bw/Tag (Consumer)
Dermal	DNEL, long-term, dermal, systemic	0.4 mg/kg KG/d (worker)
		0.2 mg/kg KG/d (Consumer)
Inhalative	DNEL, long-term, inhalation, systemic	1.39 mg/m ³ (worker)
		0.34 mg/m ³ (Consumer)

CAS: 13703-82-7 Magnesium metaborate

Oral	long-term, oral, systemic	0.28 mg/kg KG/d consumer
Dermal	DNEL, long-term, dermal, systemic	7.78 mg/kg KG/d workers
	DNEL, long-term, dermal, systemic	0.278 mg/kg KG/d consumer
Inhalative	DNEL, long-term, inhalation, systemic	5.49 mg/m ³ workers

(Contd. on page 5)

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 11.06.2025

Version number 4.00 (replaces version 3.01)

Revision: 11.06.2025

Trade name: CLASSIC GALAR LM 80W-90 GL 4/5

(Contd. of page 4)

	DNEL, long-term, inhalation, systemic	0.82 mg/m ³ consumer
--	---------------------------------------	------------------------------------

PNECs

Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched)

PNEC (Freshwater)	0.0024 mg/l
Freshwater (intermittent releases)	0.15 mg/l
PNEC (Seawater)	0.00024 mg/l
Micro-organisms in sewage treatment plants (STP)	24.33 mg/l
PNEC (freshwater sediment)	0.0129 mg/kg
PNEC (Seawater sediment)	0.00129 mg/kg
PNEC (ground)	0.00117 mg/kg
Secondary poisoning	10 mg/kg

CAS: 597-82-0 O,O,O-triphenyl phosphorothioate

PNEC	0.000017 mg/L (Seawater)
	0.00017 mg/L (Freshwater)
PNEC	2.46 mg/Kg (Soil)
	0.347 mg/Kg (Seawater sediment)
	3.47 mg/Kg (Freshwater sediment)

CAS: 13703-82-7 Magnesium metaborate

PNEC (Freshwater)	0.05 mg/l
PNEC (Seawater)	0.05 mg/l
Micro-organisms in sewage treatment plants (STP)	100 mg/l
PNEC (freshwater sediment)	1.38 mg/kg
PNEC (Seawater sediment)	1.38 mg/kg
PNEC (ground)	0.247 mg/kg
Secondary poisoning	1.67 mg/kg

Additional information:

Additional information on limit values

Airborne limit values:

Possibility of exposure to aerosol (mineral oil).

Limit value (TLV-TWA) = 5 mg/m³ - Source: ACGIH

TLV-STEL = 10 mg/m³ - Source: ACGIH

STEL: short-term exposure limits

TLV: Threshold Limiting Value

TWA: time weighted average

ACGIH: American Conference of Governmental Industrial Hygienists

8.2 Exposure controls

Appropriate engineering controls Ensure good ventilation of the work station.

Individual protection measures, such as personal protective equipment

Respiratory protection:

With correct and proper use, and under normal conditions, breathing protection is not required. Respiratory protection necessary at:

-aerosol or mist formation

-Exceeding exposure limit values

Suitable respiratory protection apparatus: Respiratory equipment in case of nebulosity or aerosol: Use a mask with a filter type A2, A2/P2 or ABEK.

The respiratory protection filter class must be adapted to the maximum pollutant concentration (gas/vapour/aerosol/particles) that can arise when handling the product. If the concentration is exceeded, insulating equipment must be used!

(Contd. on page 6)

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 11.06.2025

Version number 4.00 (replaces version 3.01)

Revision: 11.06.2025

Trade name: **CLASSIC GALAR LM 80W-90 GL 4/5**

(Contd. of page 5)

Hand protection



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

If gloves are to be reused, clean them before taking them off and store them in a well-ventilated place.

Material of gloves

Use safety gloves of following materials: NBR (nitrile) / neopren / viton (permeationslevel 5 - 6), Cat. II according to norm EN 347/EN 388.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye/face protection

Safety goggles with side shield, in case of increased splash hazard additional face shield. DIN EN 166

Body protection:

Heavy flammable, oil-repellent protective clothing

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500 (D).

Thermal hazards

Wear protective clothing when working with hot material: heat-resistant overalls (with trouser legs over the boots and sleeves over the glove cuffs), heat-resistant, high-performance, non-slip boots (e.g. leather).

Environmental exposure controls There are no data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Physical state	Liquid
Colour:	Clear
Odour:	Characteristic
Odour threshold:	Not determined.
Melting point/freezing point:	Undetermined.
Boiling point or initial boiling point and boiling range	Undetermined.
Flammability	Not applicable.
Lower and upper explosion limit	
Lower:	Not determined.
Upper:	Not determined.
Flash point:	224 °C (DIN ISO 2592)
Decomposition temperature:	Not determined.
pH	Not determined.
Viscosity:	
Kinematic viscosity at 40 °C	139 mm ² /s (DIN EN ISO 3104)
Dynamic:	Not determined.
Solubility water:	Not determined.

(Contd. on page 7)

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 11.06.2025

Version number 4.00 (replaces version 3.01)

Revision: 11.06.2025

Trade name: **CLASSIC GALAR LM 80W-90 GL 4/5**

(Contd. of page 6)

Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure:	Not determined.
Density and/or relative density	
Density at 15 °C:	0.898 g/cm ³ (DIN 51757)
Relative density	Not determined.
Vapour density	Not determined.
Particle characteristics	Does not apply to liquids.

9.2 Other information

Appearance:	
Form:	Fluid
Important information on protection of health and environment, and on safety.	
Ignition temperature:	Not determined.
Explosive properties:	Product does not present an explosion hazard.
Change in condition	
Drip point:	
Pour point	-27 °C (ASTM D 5985)
Evaporation rate	Not determined.

Information with regard to physical hazard classes

Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability

Information on the shelf life

The product is chemically stable under the recommended storage, use and temperature conditions.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

Refer to chapter 10.5.

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials: Materials to avoid: Strong oxidizing agents

10.6 Hazardous decomposition products: No dangerous decomposition products known.

EU

(Contd. on page 8)

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 11.06.2025

Version number 4.00 (replaces version 3.01)

Revision: 11.06.2025

Trade name: **CLASSIC GALAR LM 80W-90 GL 4/5**

(Contd. of page 7)

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

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

LD/LC50 values relevant for classification:

CAS: 68937-96-2 Polysulphides, di-tert-Bu

Oral	LD50 oral	>2,000 mg/kg (Rat)
Dermal	LD50 dermal	>2,000 mg/kg (Rat)

Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched)

Oral	LD50 oral	>2,000 mg/kg (Rat) (OECD Guideline 401)
------	-----------	---

CAS: 597-82-0 O,O,O-triphenyl phosphorothioate

Oral	LD50 oral	>10,000 mg/kg (Rat)
Dermal	LD50 dermal	>2,000 mg/kg (Rat)

CAS: 13703-82-7 Magnesium metaborate

Oral	LD50 oral	>2,000 mg/kg (Rat) (OECD Guideline 420)
Dermal	LD50 dermal	>2,000 mg/kg (Rat) (OECD Guideline 402)

Primary irritant effect:

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/irritation Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation

Contains Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched) [EC-No.: 931-384-6], Magnesium metaborate. May produce an allergic reaction.

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

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

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

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

STOT-single exposure Based on available data, the classification criteria are not met.

STOT-repeated exposure

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

Polysulphides, Di-tert-Bu:

Subacute oral toxicity:

Method: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents).

Species: Rat

Result: NOAEL = 100 mg/kg; Reference: ECHA Dossier

Reaction products of bis (4-methyl-pentan-2-yl) dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched):

Subacute oral toxicity: Method: -;

Species: Rat;

Result: NOAEL = 150 mg/kg; Literature reference: ECHA dossier

Magnesium metaborate:

Repeated dose toxicity:

Method: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test).

Developmental Toxicity Screening Test)

Species: Rat

Exposure duration: 28 d.

Result: NOAEL = 150 mg/kg bw/day. (systemic)

Literature reference: REACH Dossier

O,O,O-triphenyl thiophosphate:

Subacute oral toxicity Method: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents);

Species: Rat; Result: NOAEL 50 mg/kg; Literature reference: REACH Dossier

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

(Contd. on page 9)

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 11.06.2025

Version number 4.00 (replaces version 3.01)

Revision: 11.06.2025

Trade name: CLASSIC GALAR LM 80W-90 GL 4/5

(Contd. of page 8)

Additional toxicological information:

Oral	ATE	>5,000 mg/kg (Calculated)
Dermal	ATE	>2,000 mg/kg (Calculated)
Inhalative	ATE Dust/Mist	>5 mg/L (Calculated)
	ATE Vapour	>20 mg/L (Calculated)

CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)

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

Polysulphides, Di-tert-Bu:

In vitro mutagenicity/genotoxicity:

Method: OECD Guideline 471 (Bacterial Reverse Mutation Assay);

Result: negative Literature reference: ECHA dossier;

Reproductive toxicity:

Species: Rat (Sprague-Dawley);

Method: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test);

Result: NOAEL = 150 mg/kg; Reference: ECHA Dossier;

Developmental toxicity / teratogenicity:

Species: rat; Method:

OECD Guideline 414 (Prenatal Developmental Toxicity Study);

Result: NOAEC \geq 195 ppm; Reference: ECHA Dossier

Reaction products of bis (4-methyl-pentan-2-yl) dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched):

In vitro mutagenicity/genotoxicity:

Method: OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test);

Result: negative Literature reference: ECHA dossier;

Reproductive toxicity:

Species: Rat (Wistar);

Method: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test);

Result: NOAEL = 150 mg/kg Reference: ECHA G179 dossier;

Developmental toxicity / teratogenicity:

Species: Rat (Wistar);

Method: other guideline: Reproduction/developmental screening test.

Result: NOAEL = 150 mg/kg; Reference: ECHA dossier.

Magnesium metaborate:

In vitro mutagenicity:

Method:

-OECD Guideline 490 (In Vitro Mammalian Cell Gene Mutation Tests Using the Thymidine Kinase Gene)

-OECD Guideline 473 (In Vitro Mammalian Chromosome Aberration Test)

-OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)

Result: negative ; Literature reference: REACH Dossier

O,O,O-triphenyl thiophosphate:

In vitro mutagenicity/genotoxicity: Method: OECD Guideline 471 (Bacterial Reverse Mutation Assay);

Result: negative Literature reference: REACH Dossier; Reproductive toxicity: Species: Rat (Wistar);

Method: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test); Result: NOAEL >250 mg/kg; Literature reference: REACH Dossier

11.2 Information on other hazards

Endocrine disrupting properties

This product does not contain any substance (> 0.1%) with endocrine disrupting properties towards non-target organisms, as no ingredient fulfils the criteria.

Other information Frequent contact may cause skin and eye irritation, especially after drying.

SECTION 12: Ecological information

12.1 Toxicity

O,O,O-triphenyl thiophosphate:

A raw material containing these substance(s) was tested/evaluated for environmentally hazardous properties with the result: EC 10 (fish) \geq 1.5 mg/L (OECD 210). The raw material is contained in the final product with less than 12 %. Therefore, the product itself is not considered to be hazardous to the environment.

(Contd. on page 10)

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 11.06.2025

Version number 4.00 (replaces version 3.01)

Revision: 11.06.2025

Trade name: CLASSIC GALAR LM 80W-90 GL 4/5

(Contd. of page 9)

Aquatic toxicity:
CAS: 68937-96-2 Polysulphides, di-tert-Bu

ErC50	>100 mg/l /(72h) (Pseudokirchnerella subcapitata) (OECD 201)
EC50	63 mg/L /(48h) (Daphnia magna) (OECD 202)

Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched)

ErC50	6.4 mg/l /(96h) (Pseudokirchnerella subcapitata) (OECD 201)
EL50	~91.4 mg/l /(48h) (Daphnia magna) (OECD 202)
EC50	2,433 mg/L (Bacteria)
LC50	8.5 mg/L /(96h) (Oncorhynchus mykiss) (OECD 203)

CAS: 597-82-0 O,O,O-triphenyl phosphorothioate

ErC50	>100 mg/l (algae)
NOEC	0.0017 mg/L /97 d (Fish) 0.00724 mg/L /21 d (daphnia)
LL50	>100 mg/l (Fish)
EL50	>100 mg/l (daphnia)

CAS: 13703-82-7 Magnesium metaborate

ErC50	>50 mg/l /(72h) (Pseudokirchnerella subcapitata) (OECD 201)
LL50	>50 mg/l /(96h) (Oncorhynchus mykiss) (OECD 203)
EL50	>50 mg/l /(48h) (Daphnia magna) (OECD 202)

12.2 Persistence and degradability

The product is slightly soluble in water. It can be largely eliminated from the water by abiotic processes, e.g. mechanical separation.

CAS: 68937-96-2 Polysulphides, di-tert-Bu

Persistence and degradability	13 % /(28d) (OECD 301B / ISO 9439 / EWG 92/69 Anhang V,C.4-C) Not readily biodegradable (according to OECD criteria).
-------------------------------	--

Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched)

Persistence and degradability	3.6 % /(28d) ASTM D-5864-95 not easily degradable
-------------------------------	--

CAS: 597-82-0 O,O,O-triphenyl phosphorothioate

Biological degradation	17.8–19.3 % /29 d
------------------------	-------------------

CAS: 13703-82-7 Magnesium metaborate

Persistence and degradability	4 % /(28d) (OECD 301B) Not readily biodegradable (according to OECD criteria).
-------------------------------	---

12.3 Bioaccumulative potential

No indication of bioaccumulation potential.

CAS: 68937-96-2 Polysulphides, di-tert-Bu

BCF	0.006 (Lm)
Partition coefficient n-octanol/water	5.6

Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched)

BCF	436 (Oncorhynchus mykiss)
Partition coefficient n-octanol/water	<0.3

CAS: 597-82-0 O,O,O-triphenyl phosphorothioate

BCF fish 1	98
Partition coefficient n-octanol/water	5

12.4 Mobility in soil No further relevant information available.

(Contd. on page 11)

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 11.06.2025

Version number 4.00 (replaces version 3.01)

Revision: 11.06.2025

Trade name: **CLASSIC GALAR LM 80W-90 GL 4/5**

(Contd. of page 10)

12.5 Results of PBT and vPvB assessment

PBT:

CAS: 597-82-0	O,O,O-triphenyl phosphorothioate
---------------	----------------------------------

vPvB: Not applicable.

12.6 Endocrine disrupting properties

This product does not contain any substance that exhibits endocrine disrupting properties towards non-target organisms, as no ingredient fulfils the criteria.

The above statement applies to the substances contained in the product from 0.1 %.

12.7 Other adverse effects

Other information: Ozone depletion potential (ODP): No information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

Dispose of waste according to applicable legislation.

Contact the responsible authorised waste disposal company for waste disposal. Dispose of in accordance with official regulations.

The allocation of waste code numbers/waste designations is to be carried out according to EAVK on a sector- and process-specific basis.

European waste catalogue

15 01 10*	packaging containing residues of or contaminated by hazardous substances
-----------	--

Uncleaned packaging:

Recommendation: Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

14.1 UN number or ID number

ADR, IMDG, IATA

not regulated

14.2 UN proper shipping name

ADR, IMDG, IATA

not regulated

14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA

Class

not regulated

14.4 Packing group

ADR, IMDG, IATA

not regulated

14.5 Environmental hazards:

Not applicable.

14.6 Special precautions for user

For information on safe handling, see chapter 7.
For information on personal protective equipment, see chapter 8.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

UN "Model Regulation":

not regulated

(Contd. on page 12)

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 11.06.2025

Version number 4.00 (replaces version 3.01)

Revision: 11.06.2025

Trade name: **CLASSIC GALAR LM 80W-90 GL 4/5**

(Contd. of page 11)

SECTION 15: Regulatory information

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

Labelling according to Regulation (EC) No 1272/2008 Void

Hazard pictograms Void

Signal word Void

Hazard statements Void

Directive 2004/42/EC There is no information available.

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

Seveso category This product is not controlled under the Seveso Directive.

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 75

Regulation (EU) No 649/2012

Regulation (EC) No 649/2012 of the European Parliament and of the Council concerning the export and import of dangerous chemicals: not relevant

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

National regulations:

Technical instructions (air):

Class Share in %

Germany:

Technical Instructions on Air Quality I:

5.2.5: Organic substances, to be indicated as total carbon

at $m \geq 0.50$ kg/h: conc. 50 mg/m³

Proportion: >99 %

Waterhazard class: Water hazard class 2 (Self-assessment): hazardous for water.

Other regulations, limitations and prohibitive regulations

The national legal regulations must also be observed!

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

(Contd. on page 13)

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 11.06.2025

Version number 4.00 (replaces version 3.01)

Revision: 11.06.2025

Trade name: CLASSIC GALAR LM 80W-90 GL 4/5

(Contd. of page 12)

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

Classification according to Regulation (EC) No 1272/2008

Health hazards: Calculation method.

Environmental hazards: Calculation method.

Physical hazards: Based on test data

Department issuing SDS: product management

Version number of previous version: 3.01

Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity – Category 4

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1B: Skin sensitisation – Category 1B

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

*** Data compared to the previous version altered.**