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

Printing date 16.05.2025 Version number 3.00 (replaces version 2.00) Revision: 16.05.2025

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

1.1 Product identifier
Trade name: CLASSIC MEDUNA LT 10W-40 LA PLUS

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 Motor 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)

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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:
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: Not applicable.
vPvB: Not applicable.

*
SECTION 3: Composition/information on ingredients

3.2 Mixtures
Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:		
	Mineral oil *(64742-54-7, 64742-65-0, 64742-55-8, 64742-56-9) Asp. Tox. 1, H304	7-<10%
CAS: 64742-55-8 EINECS: 265-158-7 Reg.nr.: 01-2119487077-29	Distillates (petroleum), hydrotreated light paraffinic Asp. Tox. 1, H304	3-<5%
CAS: 64742-54-7 EINECS: 265-157-1 Reg.nr.: 01-2119484627-25	Distillates (petroleum), hydrotreated heavy paraffinic Asp. Tox. 1, H304	1-<3%
CAS: 64742-65-0 EINECS: 265-169-7 Reg.nr.: 01-2119471299-27	Distillates (petroleum), solvent-dewaxed heavy paraffinic Asp. Tox. 1, H304	1-<3%
EC number: 947-519-7 Reg.nr.: 01-2120765489-36	Reaction products of benzenesulfonic acid, mono-C20-24 (even)-sec-alkylderivs. para-, calcium salts Skin Sens. 1B, H317 Specific concentration limit: Skin Sens. 1B; H317: C ≥ 10 %	0.5-<1%

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SVHC
The mixture does not contain any substances of very high concern (SVHC) included in the candidate list according to REACH, Article 59.
Additional information:
Note L : The harmonised classification as a carcinogen applies unless it can be shown that the substance contains less than 3 % of dimethyl sulphoxide 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).
*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.

*
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 case of allergic symptoms, especially in the breathing area, seek medical advice immediately.
After skin contact:
After contact with skin, wash immediately with plenty of water and soap. Consult a doctor if skin irritation persists. Remove contaminated clothing.
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.

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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
Can be released in case of fire: Carbon monoxide Carbon dioxide (CO2) Sulphur dioxide (SO2) Nitrogenoxides (NOx)
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.
Protective equipment: Wear self-contained respiratory protective device.

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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
Wear suitable protective clothing.
Avoid formation of oil dust.
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 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

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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		
CAS: 64742-55-8 Distillates (petroleum), hydrotreated light paraffinic		
Oral	DNEL Long-term Oral (Systemic)	0.74 mg/kg bw/Tag (Consumer)
Dermal	DNEL, long-term, dermal, systemic	0.97 mg/kg KG/d (worker)
Inhalative	DNEL, long-term, inhalation, systemic	2.73 mg/m³ (worker)
	long-term, inhalative, local	5.58 mg/m³ (worker)
		1.19 mg/m³ (Consumer)
CAS: 64742-54-7 Distillates (petroleum), hydrotreated heavy paraffinic		
Oral	DNEL Long-term Oral (Systemic)	0.74 mg/kg bw/Tag (Consumer)
Dermal	DNEL, long-term, dermal, systemic	0.97 mg/kg KG/d (worker)
Inhalative	DNEL, long-term, inhalation, systemic	2.73 mg/m³ (worker)
	long-term, inhalative, local	5.58 mg/m³ (worker)
	long-therm, inhalation, local	1.19 mg/m³ (Consumer)
CAS: 64742-65-0 Distillates (petroleum), solvent-dewaxed heavy paraffinic		
Oral	DNEL Long-term Oral (Systemic)	0.74 mg/kg bw/Tag (Consumer)
Dermal	DNEL, long-term, dermal, systemic	0.97 mg/kg KG/d (worker)
Inhalative	DNEL, long-term, inhalation, systemic	2.73 mg/m³ (worker)
	long-term, inhalative, local	5.58 mg/m³ (worker)
	long-therm, inhalation, local	1.19 mg/m³ (Consumer)
Reaction products of benzenesulfonic acid, mono-C20-24 (even)-sec-alkylderivs. para-, calcium salts		
Oral	long-term, oral, systemic	2.5 mg/kg KG/d consumer
Dermal	DNEL, long-term, dermal, systemic	25 mg/kg KG/d workers
	DNEL, long-term, dermal, systemic	12.5 mg/kg KG/d consumer
	DNEL, langzeitig, dermal, lokal	1.05 mg/kg KG/Tag workers
		0.526 mg/kg KG/Tag (Consumer)
Inhalative	DNEL, long-term, inhalation, systemic	17.63 mg/m³ workers
	DNEL, long-term, inhalation, systemic	4.35 mg/m³ consumer

PNECs	
CAS: 64742-55-8 Distillates (petroleum), hydrotreated light paraffinic	
Secondary poisoning	9.33 mg/kg
CAS: 64742-54-7 Distillates (petroleum), hydrotreated heavy paraffinic	
Secondary poisoning	9.33 mg/kg /KG/d
CAS: 64742-65-0 Distillates (petroleum), solvent-dewaxed heavy paraffinic	
PNEC Secondary poisoning	9.33 mg/kg

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Reaction products of benzenesulfonic acid, mono-C20-24 (even)-sec-alkylderivs. para-, calcium salts	
PNEC (Freshwater)	0.1 mg/l
Freshwater (intermittent releases)	1 mg/l
PNEC (Seawater)	0.1 mg/l
Micro-organisms in sewage treatment plants (STP)	1,000 mg/l
PNEC (freshwater sediment)	166.32 mg/kg
PNEC (Seawater sediment)	166.32 mg/kg
PNEC (ground)	33.12 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
The data sheets of the upstream suppliers and lists valid at the time of production serve as a basis.

8.2 Exposure controls
Appropriate engineering controls Ensure good ventilation of the work station.
Individual protection measures, such as personal protective equipment
General protective and hygienic measures: Wash hands before breaks and at the end of work.
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!
Hand protection

Protective gloves

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

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Eye/face protection

Tightly sealed goggles

EN 166

Body protection:
Flame retardant, 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 No further relevant information available.

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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:	230 °C
Decomposition temperature:	Not determined.
pH	Not determined.
Viscosity:	
Kinematic viscosity at 40 °C	101 mm²/s (DIN EN ISO 3104)
Dynamic:	Not determined.
Solubility	
water:	Immiscible
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure:	Not determined.
Density and/or relative density	
Density at 15 °C:	0.8653 g/cm³ (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.

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Change in condition	
Drip point:	
Pour point	-42 °C
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
Thermal decomposition / conditions to be avoided:
The product is chemically stable under recommended conditions of storage, use and temperature.
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.

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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: 64742-55-8 Distillates (petroleum), hydrotreated light paraffinic; Base oil - unspecified (Note L)		
Oral	LD50 oral	>5,000 mg/kg (Rat)
Dermal	LD50 dermal	>2.000 mg/kg (rabbit)
Inhalative	LC50	>5.53 (Rat) (OECD Guideline 403)
CAS: 64742-54-7 Distillates (petroleum), hydrotreated heavy paraffinic		
Oral	LD50 oral	5,000 mg/kg (Rat) (OECD Guideline 401)
Dermal	LD50 dermal	>2.000 mg/kg (rabbit) (OECD Guideline 402)

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CAS: 64742-65-0 Distillates (petroleum), solvent-dewaxed heavy paraffinic		
Oral	LD50 oral	>5,000 mg/kg (Rat) (OECD Guideline 401)
Dermal	LD50 dermal	>2,000 mg/kg (rabbit) (OECD Guideline 402)
Reaction products of benzenesulfonic acid, mono-C20-24 (even)-sec-alkylderivs. para-, calcium salts		
Oral	LD50 oral	>10,000–<20,000 mg/kg (Rat) > 10000 -< 20000 mg/kg
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 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
Distillates (petroleum), hydrotreated heavy paraffinic; Base oil - unspecified:
Subacute inhalation toxicity: Method: -; Exposure duration: 28d; Species: Rat; Result: NOAEL >980 mg/m3; Literature information: REACH Dossier; Subacute dermal toxicity: Method: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-day Study); Exposure duration: 28d; Species: Rabbit; Result: 1000 mg/kg; Literature reference: REACH Dossier

Distillates (petroleum), hydrotreated light paraffinic; Base oil - unspecified:
Subacute inhalation toxicity : Method: -; Exposure duration: 28d; Species: Rat; Result: NOAEL > 980 mg/m3; Reference: J Appl Toxicol, Vol 11(4), pp 297-302; Subacute dermal toxicity: Method: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study); Exposure duration: 28d; Species: rabbit; Result: NOAEL 1000 mg/kg(bw)/day; Literature reference: REACH Dossier;
Subchronic oral toxicity: Method: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents); Species: Rat;
Result: NOAEL = 125 mg/kg;
Literature reference: REACH Dossier

Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil - unspecified:
Subacute inhalation toxicity :
Method: -
Exposure duration: 28d
Species: Rat
Result: > 980 mg/m3
Reference: J Appl Toxicol, Vol 11(4), pp 297-302
Subacute dermal toxicity :
Method: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)
Exposure duration: 28d
Species: Rabbit
Result: 1000 mg/kg
Literature reference: REACH Dossier

Reaction products of benzenesulfonic acid, mono-C20-24 (even)-sec-alkyl derivatives, para-, calcium salts:
Subchronic inhalation toxicity:
Method: OECD Guideline 412 (Repeated Dose Inhalation Toxicity: 28d)
Species: Rat
Result: NOAEC = 50 mg/m3 (WoE, CAS: 61789-86-4)
Literature reference: REACH Dossier
Subacute dermal toxicity
Method: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)
Species: Rat
Result: NOAEL > 1000 mg/kg (WoE, CAS: 61789-86-4)
Literature reference: REACH Dossier

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

Additional toxicological information:		
Oral	ATE	>2,000 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)
Distillates (petroleum), hydrotreated light paraffinic; Baseoil - unspecified:
In vitro mutagenicity/genotoxicity:
Method: OECD Guideline 471 (Bacterial Reverse Mutation Assay) with modifications
Result: negative / positive
Method: OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
Result: negative
Method: OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
Result: negative / positive
Literature reference: REACH Dossier
In vivo mutagenicity/genotoxicity
Method: OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)
Result: negative ; Literature reference: REACH Dossier
Reproductive toxicity
Method: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test)
Exposure duration: 28d; Species: Rat
Result: NOAEL = > 2000 mg/kg(bw)/day; Literature reference: REACH Dossier
Developmental toxicity/teratogenicity:
Method: OECD Guideline 414 (Prenatal Developmental Toxicity Study)
Exposure duration: 28d; Species: Rat
Result: NOAEL = > 2000 mg/kg(bw)/day; Literature reference: REACH Dossier

Distillates (petroleum), hydrotreated heavy paraffinic; Base oil - unspecified:
In vitro mutagenicity/genotoxicity Method: OECD Guideline 473 (In Vitro Mammalian Chromosomal Aberration Test); Result: negative Literature reference: REACH dossier; Carcinogenicity: Method: OECD Guideline 453 (Combined Chronic Toxicity/Carcinogenicity Studies); Species: Mouse; Result: Not carcinogenic when DMSO extract measured by IP346 is less than 3 % m/m.
Literature reference: REACH dossier;
Reproductive toxicity: Species: Rat (Sprague-Dawley); Method: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test); Result: NOAEL > 1000 mg/kg Literature information: REACH dossier; Developmental toxicity / teratogenicity: Species: Rat (Sprague-Dawley); Method: OECD Guideline 414 (Prenatal Developmental Toxicity Study); Result: NOAEL ≥ 2000 mg/kg
Literature reference: REACH Dossier

Distillates (petroleum), solvent-dewaxed heavy paraffinic; Base oil - unspecified:
In vitro mutagenicity/genotoxicity:
-OECD Guideline 471 (Bacterial Reverse Mutation Assay)
-OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
-OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
Result: negative Literature reference: REACH Dossier

Reaction products of benzenesulfonic acid, mono-C20-24 (even)-sec-alkyl derivatives, para-,calcium salts:
In vitro mutagenicity:
Method:
-OECD Guideline 471 (Bacterial Reverse Mutation Assay)
-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
Reproductive toxicity:
Method: OECD Guideline 415 (One-Generation Reproduction Toxicity Study)
Species: Rat
Result: NOAEL (F1, P0) > 500 mg/kg

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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.

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SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:	
CAS: 64742-55-8 Distillates (petroleum), hydrotreated light paraffinic	
NOEC	> 100 mg/l (3d) (algae)
NOEC	>10 mg/l /(21d) (Daphnia magna) ((OECD Guideline 211))
EC50	>10,000 mg/L /(48h) (Daphnia magna) (OECD 202)
LC50	>100 mg/L /(96h) (Pimephales promelas) (OECD 203)
CAS: 64742-54-7 Distillates (petroleum), hydrotreated heavy paraffinic	
NOEC	10 mg/l /(21d) (Daphnia magna) ((OECD Guideline 211))
CAS: 64742-65-0 Distillates (petroleum), solvent-dewaxed heavy paraffinic	
NOEC	≥1,000 mg/l /(14d (Oncorhynchus mykiss)
LL50	>100 mg/l /(96h) (Pimephales promelas) (OECD 203)
Reaction products of benzenesulfonic acid, mono-C20-24 (even)-sec-alkylderivs. para-, calcium salts	
ErC50	>100 mg/l /(72h) (Desmodesdus subspicatus) (OECD 201)
LL50	>100 mg/l /(96h) (Fish) (OECD 203)
EL50	>100 mg/l /(48h) (Daphnia magna) (OECD 202)
EC50	>10,000 mg/L (Bacteria)

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: 64742-55-8 Distillates (petroleum), hydrotreated light paraffinic	
Persistence and degradability	31 % /(28d) (OECD method 301F)
CAS: 64742-54-7 Distillates (petroleum), hydrotreated heavy paraffinic	
Persistence and degradability	31 % /(28d) (OECD 301F / ISO 9408 / EWG 92/69 Anhang V,C.4-D) Not readily biodegradable (according to OECD criteria).
Persistence and degradability	2–4 % /(28d) (OECD 301B / ISO 9439 / EWG 92/69 Anhang V,C.4-C) Not readily biodegradable (according to OECD criteria).
Reaction products of benzenesulfonic acid, mono-C20-24 (even)-sec-alkylderivs. para-, calcium salts	
Persistence and degradability	8 % /(28d) (OECD Guideline 301 D) Not readily biodegradable (according to OECD criteria).

12.3 Bioaccumulative potential

No indication of bioaccumulation potential.

CAS: 64742-55-8 Distillates (petroleum), hydrotreated light paraffinic	
Partition coefficient n-octanol/water	>3.5
Reaction products of benzenesulfonic acid, mono-C20-24 (even)-sec-alkylderivs. para-, calcium salts	
BCF	27,600
Partition coefficient n-octanol/water	≥5.38

12.4 Mobility in soil No further relevant information available.

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

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

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PBT: Not applicable.
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
Additional ecological information: Ozone depletion potential (ODP): No information available.
General notes:
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.

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SECTION 13: Disposal considerations

13.1 Waste treatment methods
Recommendation
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:
Non contaminated packagings may be recycled.
Completely emptied packaging can be recycled.
Handle contaminated packages in the same way as the substance itself.
Disposal must be made according to official regulations.

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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:	ENVIRONMENTALLY HAZARDOUS: no
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.

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UN "Model Regulation":	not regulated

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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 Not subject to 2012/18/EU (SEVESO III)
REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 75

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):
Technical Instructions on Air Quality I:
5.2.5: Organic substances, to be indicated as total carbon at m ≥ 0.50 kg/h: Conc. 50 mg/m³.
Proportion: > 90

Technical Instructions on Air Quality II:
5.2.7.1.3: Reproduction-toxic substances at m ≥ 2.5 g/h: conc. 1 mg/m³
or emission minimisation requirement
Proportion: 0.02 %

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!
Regulation (EC) No 649/2012 of the European Parliament and of the Council concerning the export and import of dangerous chemicals: not relevant
Directive 2010/75/EU on industrial emissions: No information available.

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

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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
H304 May be fatal if swallowed and enters airways.
H317 May cause an allergic skin reaction.
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
Contact: product management
Date of previous version: 20.08.2024
Version number of previous version: 2.00
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
Skin Sens. 1B: Skin sensitisation – Category 1B
Asp. Tox. 1: Aspiration hazard – Category 1
*** Data compared to the previous version altered.**