

Trade name: KRONES celerol LU 7602**Current version :** 1.0.5, issued: 09.12.2024**Replaced version:** 1.0.4, issued: 04.08.2023**Region:** GB**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name****KRONES celerol LU 7602****1.2 Relevant identified uses of the substance or mixture and uses advised against****Relevant identified uses of the substance or mixture**

Lubricant

Uses advised against

No data available.

1.3 Details of the supplier of the safety data sheet**Address**KIC KRONES Internationale Cooperationsgesellschaft mbH
Böhmerwaldstraße 5
93073 Neutraubling

Telephone no. +49 9401 70-3020

e-mail kic@kic-krones.com

Advice on Safety Data Sheet

sdb_info@umco.de

1.4 Emergency telephone number

For medical advice (in German and English):

+49 (0)551 192 40 (Giftinformationszentrum Nord)

In case of transport incidents and other emergencies:

+44 (0) 1235 239 670 (NCEC, National Chemical Emergency Centre)

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture****Classification in accordance with Regulation (EC) No 1272/2008 (CLP)**

Aquatic Chronic 3; H412

Classification information

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)****Hazard pictograms**

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Signal word

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Hazard statement(s)

H412 Harmful to aquatic life with long lasting effects.

Precautionary statement(s)

P273 Avoid release to the environment.

P501 Dispose of contents/container to a facility in accordance with local and national regulations.

2.3 Other hazards

PBT assessment

Trade name: KRONES celerol LU 7602

Current version : 1.0.5, issued: 09.12.2024

Replaced version: 1.0.4, issued: 04.08.2023

Region: GB

The product is not considered to be a PBT.
vPvB assessment
The product is not considered to be a vPvB.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable. The product is not a substance.

3.2 Mixtures

Hazardous ingredients

No	Substance name		Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration	%
1	White mineral oil (petroleum)			
	8042-47-5 232-455-8 - 01-2119487078-27	Asp. Tox. 1; H304	>= 5.00 - < 10.00	wt%
2	(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine			
	110-25-8 203-749-3 - 01-2119488991-20	Acute Tox. 4; H332 Aquatic Acute 1; H400 Eye Dam. 1; H318 Skin Irrit. 2; H315	< 2.50	wt%
3	2,6-di-tert-butyl-p-cresol			
	128-37-0 204-881-4 - 01-2119555270-46	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	< 2.50	wt%
4	2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol			
	95-38-5 202-414-9 - -	Acute Tox. 4; H302 Aquatic Acute 1; H400 Skin Corr. 1B; H314 Aquatic Chronic 1; H410 STOT RE 2; H373 Eye Dam. 1; H318	< 2.50	wt%

Full text of H- and EUH-phrases, if not already mentioned in section 2.2: see section 16.

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
4	-	-	M = 10	-

Acute toxicity estimate (ATE) values			
No	oral	dermal	inhalative
2			1,05 mg/l

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing. In case of persisting adverse effects, consult a physician.

After inhalation

Remove affected persons from dangerous area by observing suitable respiratory protection measures. Ensure supply of fresh air. Irregular breathing/no breathing: artificial respiration. In case of persisting adverse effects consult a physician.

After skin contact

When in contact with the skin, clean with soap and water. Consult a doctor if skin irritation persists.

After eye contact

Trade name: KRONES celerol LU 7602**Current version :** 1.0.5, issued: 09.12.2024**Replaced version:** 1.0.4, issued: 04.08.2023**Region:** GB

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Get immediate ophthalmic treatment.

After ingestion

Rinse the mouth thoroughly with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing media**

Water spray jet; Water mist; Alcohol-resistant foam; Dry chemical extinguisher; Carbon dioxide

Unsuitable extinguishing media

High power water jet

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon monoxide and carbon dioxide; Metal oxides; Nitrogen oxides (NOx)

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing. Do not inhale explosion and/or combustion byproducts.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

Refer to protective measures listed in sections 7 and 8. Remove persons to safety. Do not inhale dust.

For emergency responders

Personal protective equipment (PPE) - see section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. In case of entry into waterways, soil or drains, inform the responsible authorities.

6.3 Methods and material for containment and cleaning up

Collect mechanically. When collected, handle material as described under the section heading "Disposal considerations".

6.4 Reference to other sections

Information regarding safe handling, see section 7. Information regarding personal protective measures, see section 8. Information regarding waste disposal, see section 13.

SECTION 7: Handling and storage**7.1 Precautions for safe handling****Advice on safe handling**

Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances. Provide good ventilation at the work area (local exhaust ventilation, if necessary).

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Do not inhale dust. Avoid contact with eyes and skin. Wash hands before breaks and after work. Remove contaminated clothing and shoes and launder thoroughly before reusing.

Trade name: KRONES celerol LU 7602

Current version : 1.0.5, issued: 09.12.2024

Replaced version: 1.0.4, issued: 04.08.2023

Region: GB

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

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

Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Always keep in containers of same material as the original.

Incompatible products

Substances to be avoided, see section 10.

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

No	Substance name	CAS no.	EC no.
1	2,6-di-tert-butyl-p-cresol	128-37-0	204-881-4
List of approved workplace exposure limits (WELs) / EH40			
2,6-Ditertiary-butyl-para-cresol			
	WEL long-term (8-hr TWA reference period)	10	mg/m ³

DNEL, DMEL and PNEC values

DNEL values (worker)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	White mineral oil (petroleum)			8042-47-5 232-455-8	
	dermal	Long term (chronic)	systemic	217.05	mg/kg bw/day
	inhalative	Long term (chronic)	systemic	164.56	mg/m ³
2	(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine			110-25-8 203-749-3	
	dermal	Long term (chronic)	systemic	10	mg/kg/day
	dermal	Short term (acut)	systemic	100	mg/kg/day
	inhalative	Long term (chronic)	systemic	0.2	mg/m ³
	inhalative	Short term (acut)	systemic	18	mg/m ³
	inhalative	Long term (chronic)	local	0.01	mg/m ³
	inhalative	Short term (acut)	local	18	mg/m ³
3	2,6-di-tert-butyl-p-cresol			128-37-0 204-881-4	
	dermal	Long term (chronic)	systemic	0.5	mg/kg/day
	inhalative	Long term (chronic)	systemic	1.76	mg/m ³

DNEL value (consumer)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	White mineral oil (petroleum)			8042-47-5 232-455-8	
	oral	Long term (chronic)	systemic	25	mg/kg bw/day
	dermal	Long term (chronic)	systemic	93.02	mg/kg bw/day
	inhalative	Long term (chronic)	systemic	34.78	mg/m ³
2	(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine			110-25-8 203-749-3	
	oral	Long term (chronic)	systemic	5	mg/kg/day
	oral	Short term (acut)	systemic	92	mg/kg/day
	dermal	Long term (chronic)	systemic	5	mg/kg/day
	dermal	Short term (acut)	systemic	50	mg/kg/day

Trade name: KRONES celerol LU 7602

Current version : 1.0.5, issued: 09.12.2024

Replaced version: 1.0.4, issued: 04.08.2023

Region: GB

	inhalative	Long term (chronic)	systemic	0.1	mg/m ³
	inhalative	Short term (acut)	systemic	9	mg/m ³
	inhalative	Long term (chronic)	local	5	µg/m ³
	inhalative	Short term (acut)	local	9	mg/m ³
3	2,6-di-tert-butyl-p-cresol			128-37-0 204-881-4	
	oral	Long term (chronic)	systemic	0.25	mg/kg/day
	dermal	Long term (chronic)	systemic	0.25	mg/kg/day
	inhalative	Long term (chronic)	systemic	0.435	mg/m ³

PNEC values

No	Substance name		CAS / EC no	
	ecological compartment	Type	Value	
1	(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine		110-25-8 203-749-3	
	water	fresh water	0.43	µg/L
	water	marine water	0.043	µg/L
	water	Aqua intermittent	4.3	µg/L
	sewage treatment plant	-	13	mg/L
2	2,6-di-tert-butyl-p-cresol		128-37-0 204-881-4	
	water	fresh water	0.199	µg/L
	water	marine water	0.02	µg/L
	water	fresh water sediment	0.458	mg/kg dry weight
	water	marine water sediment	0.046	mg/kg dry weight
	soil	-	0.054	mg/kg dry weight
	sewage treatment plant	-	0.017	mg/L
	secondary poisoning	-	16.67	mg/kg food

8.2 Exposure controls**Appropriate engineering controls**

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit), suitable respiratory protection must be worn.

Personal protective equipment**Respiratory protection**

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of dust formation, take appropriate measures for breathing protection in the event that workplace threshold values are not specified.

Respiratory filter (part): P

Eye / face protection

Safety glasses with side protection shield (EN 166)

Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material nitrile rubber

Other

Chemical-resistant work clothes.

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties

Trade name: KRONES celerol LU 7602

Current version : 1.0.5, issued: 09.12.2024

Replaced version: 1.0.4, issued: 04.08.2023

Region: GB

9.1 Information on basic physical and chemical properties

State of aggregation			
solid			
Form			
paste			
Colour			
beige			
Odour			
characteristic			
pH value			
No data available			
Boiling point / boiling range			
No data available			
Melting point/freezing point			
No data available			
Decomposition temperature			
No data available			
Flash point			
No data available			
Ignition temperature			
No data available			
Explosive properties			
Product does not present an explosion hazard.			
Flammability			
No data available			
Lower explosion limit			
No data available			
Upper explosion limit			
No data available			
Vapour pressure			
Value	<	0.001	hPa
Reference temperature		20	°C
Relative vapour density			
No data available			
Relative density			
No data available			
Density			
Value		0.89	g/cm ³
Reference temperature		20	°C
Solubility in water			
Comments	insoluble		
Solubility			
No data available			
Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine	110-25-8	203-749-3
log Pow		3.5	- 4.2

Trade name: KRONES celerol LU 7602

Current version : 1.0.5, issued: 09.12.2024

Replaced version: 1.0.4, issued: 04.08.2023

Region: GB

Reference temperature with reference to Method Source	20 °C pH 7 92/69/EEC, A.8 ECHA
2 2,6-di-tert-butyl-p-cresol	128-37-0 204-881-4
log Pow Source	~ 5.1 ECHA / weight of evidence

Kinematic viscosity

No data available

Particle characteristics

No data available

9.2 Other information**Other information**

No data available.

SECTION 10: Stability and reactivity**10.1 Reactivity**

Stable at ambient temperature.

10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

10.3 Possibility of hazardous reactions

Dangerous reactions are not to be expected when handling product according to its intended use.

10.4 Conditions to avoid

None, if handled according to intended use.

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

No data available.

SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Acute oral toxicity			
No	Substance name	CAS no.	EC no.
1	White mineral oil (petroleum)	8042-47-5	232-455-8
LD50	>	5000	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine	110-25-8	203-749-3
LD50	>	5000	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		
3	2,6-di-tert-butyl-p-cresol	128-37-0	204-881-4
LD50	>	6000	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		
Acute dermal toxicity			
No	Substance name	CAS no.	EC no.
1	White mineral oil (petroleum)	8042-47-5	232-455-8

Trade name: KRONES celerol LU 7602

Current version : 1.0.5, issued: 09.12.2024

Replaced version: 1.0.4, issued: 04.08.2023

Region: GB

LD50	>	2000	mg/kg bodyweight
Species	rabbit		
Method	OECD 402		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	2,6-di-tert-butyl-p-cresol	128-37-0	204-881-4
LD50	>	2000	mg/kg bodyweight
Species	rat		
Method	OECD 402		
Source	ECHA		

Acute inhalational toxicity			
No	Substance name	CAS no.	EC no.
1	White mineral oil (petroleum)	8042-47-5	232-455-8
LC50	>	5	mg/l
Duration of exposure		4	h
State of aggregation	mist		
Species	rat		
Method	OECD 403		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine	110-25-8	203-749-3
LC50	1.05	- 1.8	mg/l
Duration of exposure		4	h
State of aggregation	Dust/mist		
Species	rat		
Method	OECD 403		
Source	ECHA		

Skin corrosion/irritation			
No	Substance name	CAS no.	EC no.
1	White mineral oil (petroleum)	8042-47-5	232-455-8
Duration of exposure		24	h
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	non-irritant		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine	110-25-8	203-749-3
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	irritant		
3	2,6-di-tert-butyl-p-cresol	128-37-0	204-881-4
Species	rabbit		
Method	Draize method		
Source	ECHA		
Evaluation	non-irritant		

Serious eye damage/irritation			
No	Substance name	CAS no.	EC no.
1	White mineral oil (petroleum)	8042-47-5	232-455-8
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	non-irritant		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine	110-25-8	203-749-3
Species	rabbit		
Source	ECHA		
Evaluation	corrosive		
3	2,6-di-tert-butyl-p-cresol	128-37-0	204-881-4

Trade name: KRONES celerol LU 7602

Current version : 1.0.5, issued: 09.12.2024

Replaced version: 1.0.4, issued: 04.08.2023

Region: GB

Species	rabbit
Method	Draize method
Source	ECHA
Evaluation	non-irritant

Respiratory or skin sensitisation			
No	Substance name	CAS no.	EC no.
1	White mineral oil (petroleum)	8042-47-5	232-455-8
Route of exposure		Skin	
Species	guinea pig		
Method	OECD 406		
Source	ECHA		
Evaluation	non-sensitizing		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine	110-25-8	203-749-3
Route of exposure		Skin	
Species	guinea pig		
Method	OECD 406		
Source	ECHA		
Evaluation	non-sensitizing		
3	2,6-di-tert-butyl-p-cresol	128-37-0	204-881-4
Route of exposure		Skin	
Source	ECHA / Read across		
Evaluation	non-sensitizing		

Germ cell mutagenicity			
No	Substance name	CAS no.	EC no.
1	White mineral oil (petroleum)	8042-47-5	232-455-8
Type of examination	in vitro gene mutation study in mammalian cells		
Species	Mouse lymphoma cells		
Method	OECD 476		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
Type of examination	in vitro gene mutation study in bacteria		
Species	Salmonella typhimurium		
Method	OECD 471		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine	110-25-8	203-749-3
Type of examination	Bacterial Reverse Mutation Test		
Species	S. typhimurium: TA97, TA98, TA 100, TA 102, TA 1535		
Method	OECD 471		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
3	2,6-di-tert-butyl-p-cresol	128-37-0	204-881-4
Source	ECHA / weight of evidence		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Reproduction toxicity			
No	Substance name	CAS no.	EC no.
1	White mineral oil (petroleum)	8042-47-5	232-455-8
Type of examination	Toxicity study		
Species	rat		
Method	OECD 415		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
Type of examination	Prenatal Developmental Toxicity Study		
Species	rat		
Method	OECD 414		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine	110-25-8	203-749-3

Trade name: KRONES celerol LU 7602

Current version : 1.0.5, issued: 09.12.2024

Replaced version: 1.0.4, issued: 04.08.2023

Region: GB

Route of exposure	oral
Type of examination	Reproduction/Developmental Toxicity Screening Test
Species	rat
Method	OECD 421
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.
3	2,6-di-tert-butyl-p-cresol 128-37-0 204-881-4
Source	ECHA / weight of evidence
Evaluation/classification	Based on available data, the classification criteria are not met.

Carcinogenicity			
No	Substance name	CAS no.	EC no.
1	White mineral oil (petroleum)	8042-47-5	232-455-8
Route of exposure	oral		
Type of examination	Toxicity study		
Species	rat		
Method	OECD 453		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	2,6-di-tert-butyl-p-cresol	128-37-0	204-881-4
Source	ECHA / weight of evidence		
Evaluation/classification	Based on available data, the classification criteria are not met.		

STOT - single exposure	
No data available	

STOT - repeated exposure			
No	Substance name	CAS no.	EC no.
1	White mineral oil (petroleum)	8042-47-5	232-455-8
Route of exposure	oral		
Species	rat		
Method	OECD 453		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
Route of exposure	inhalational		
Species	rat		
Method	OECD 412		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
Route of exposure	dermal		
Species	rat		
Method	OECD 411		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine	110-25-8	203-749-3
Route of exposure	inhalational		
Species	rat		
Method	OECD 412		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
3	2,6-di-tert-butyl-p-cresol	128-37-0	204-881-4
Route of exposure	oral		
NOAEL	25	mg/kg bw/d	
Species	rats (male/female)		
Target organ	liver		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Aspiration hazard	
No data available	

Endocrine disrupting properties	
No data available	

Trade name: KRONES celerol LU 7602

Current version : 1.0.5, issued: 09.12.2024

Replaced version: 1.0.4, issued: 04.08.2023

Region: GB

11.2 Information on other hazards

Other information

No data available.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)			
No	Substance name	CAS no.	EC no.
1	White mineral oil (petroleum)	8042-47-5	232-455-8
LL50		>	10000 mg/l
Duration of exposure		96	h
Species	Leuciscus idus		
Method	OECD 203		
Source	ECHA		
2	(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine	110-25-8	203-749-3
LC50		>=	0.43 mg/l
Duration of exposure		96	h
Species	Danio rerio		
Method	OECD 203		
Source	ECHA		
3	2,6-di-tert-butyl-p-cresol	128-37-0	204-881-4
LC50			0.199 mg/l
Duration of exposure		96	h
Species	freshwater fish		
Method	QSAR		
Source	ECHA		

Toxicity to fish (chronic)			
No	Substance name	CAS no.	EC no.
1	2,6-di-tert-butyl-p-cresol	128-37-0	204-881-4
NOEC			0.053 mg/l
Duration of exposure		30	day(s)
Species	Oryzias latipes		
Method	OECD 210		
Source	ECHA		

Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	White mineral oil (petroleum)	8042-47-5	232-455-8
EL50		>	100 mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
2	(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine	110-25-8	203-749-3
EC50			0.43 mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
3	2,6-di-tert-butyl-p-cresol	128-37-0	204-881-4
EC50			0.48 mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		

Toxicity to Daphnia (chronic)			
No	Substance name	CAS no.	EC no.
1	2,6-di-tert-butyl-p-cresol	128-37-0	204-881-4

Trade name: KRONES celerol LU 7602

Current version : 1.0.5, issued: 09.12.2024

Replaced version: 1.0.4, issued: 04.08.2023

Region: GB

NOEC	0.069	mg/l
Duration of exposure	21	day(s)
Species	Daphnia magna	
Method	OECD 211	
Source	ECHA	

Toxicity to algae (acute)			
No	Substance name	CAS no.	EC no.
1	(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine	110-25-8	203-749-3
EC50		6.3	mg/l
Duration of exposure		72	h
Species	Desmodesmus subspicatus		
Method	OECD 201		
Source	ECHA		
2	2,6-di-tert-butyl-p-cresol	128-37-0	204-881-4
EC50		0.758	mg/l
Duration of exposure		96	h
Species	Green algae		
Method	Weight of evidence - (Q)SAR		
Source	ECHA		

Toxicity to algae (chronic)			
No	Substance name	CAS no.	EC no.
1	2,6-di-tert-butyl-p-cresol	128-37-0	204-881-4
NOEC		0.24	mg/l
Duration of exposure		96	h
Species	Green algae		
Method	Weight of evidence - (Q)SAR		
Source	ECHA		

Bacteria toxicity			
No	Substance name	CAS no.	EC no.
1	(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine	110-25-8	203-749-3
EC50		1300	mg/l
Duration of exposure		3	h
Method	OECD 209		
Source	ECHA		
2	2,6-di-tert-butyl-p-cresol	128-37-0	204-881-4
EC50		1.7	mg/l
Duration of exposure		24	h
Species	Tetrahymena pyriformis (Protozoa)		
Source	ECHA / weight of evidence		

12.2 Persistence and degradability

Biodegradability			
No	Substance name	CAS no.	EC no.
1	White mineral oil (petroleum)	8042-47-5	232-455-8
Type	aerobic biodegradation		
Value		31	%
Duration		28	day(s)
Method	OECD 301 F		
Source	ECHA		
Evaluation	potentially biodegradable		
2	(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine	110-25-8	203-749-3
Type	aerobic biodegradation		
Value		85.2	%
Duration		28	day(s)
Method	OECD 301 B		
Source	ECHA		
Evaluation	readily biodegradable		
3	2,6-di-tert-butyl-p-cresol	128-37-0	204-881-4
Source	ECHA / weight of evidence		

Trade name: KRONES celerol LU 7602

Current version : 1.0.5, issued: 09.12.2024

Replaced version: 1.0.4, issued: 04.08.2023

Region: GB

Evaluation/classification	Not readily biodegradable
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12.3 Bioaccumulative potential

Bioconcentration factor (BCF)			
No	Substance name	CAS no.	EC no.
1	2,6-di-tert-butyl-p-cresol	128-37-0	204-881-4
BCF		1.277	
Source		ECHA / weight of evidence	

Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine	110-25-8	203-749-3
log Pow		3.5	- 4.2
Reference temperature		20 °C	
with reference to		pH 7	
Method		92/69/EEC, A.8	
Source		ECHA	
2	2,6-di-tert-butyl-p-cresol	128-37-0	204-881-4
log Pow		~	5.1
Source		ECHA / weight of evidence	

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	
Product Name	
KRONES celerol LU 7602	
PBT assessment	The product is not considered to be a PBT.
vPvB assessment	The product is not considered to be a vPvB.

12.6 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

No data available.

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Product**

Disposal of the product should be carried out in accordance with all applicable regulations following consultation with the responsible local authority and the disposal company in an authorised and suitable disposal facility. Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residues must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

SECTION 14: Transport information**14.1 UN number or ID number**

Not classified as dangerous in the meaning of transport regulations.

14.2 UN proper shipping name

Not classified as dangerous in the meaning of transport regulations.

14.3 Transport hazard class(es)

Not classified as dangerous in the meaning of transport regulations.

14.4 Packing group

Not classified as dangerous in the meaning of transport regulations.

Trade name: KRONES celerol LU 7602

Current version : 1.0.5, issued: 09.12.2024

Replaced version: 1.0.4, issued: 04.08.2023

Region: GB

14.5 Environmental hazards

Not classified as dangerous in the meaning of transport regulations.

14.6 Special precautions for user

No data available.

14.7 Maritime transport in bulk according to IMO instruments

Not relevant

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations****Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances subject to restriction as listed in Annex XVII of the REACH regulation (EC) 1907/2006.

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This product is not subject to Part 1 or 2 of Annex I.

Other regulations

Adhere to the national sanitary and occupational safety regulations when using this product.

15.2 Chemical safety assessment

No data available.

SECTION 16: Other information**Sources of key data used to compile the data sheet:**

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Creation of the safety data sheet

UMCO GmbH - D-21107 Hamburg, Georg-Wilhelm-Strasse 187, Tel.: +49(40)555 546 300, Fax: +49(40)555 546 357, e-mail: umco@umco.de

Trade name: KRONES celerol LU 7602

Current version : 1.0.5, issued: 09.12.2024

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This information is based on our present knowledge and experience.
The safety data sheet describes products with a view to safety requirements.
It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

Alterations/supplements:
Alterations to the previous edition are marked in the left-hand margin.

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