

Trade name: ERC Flow Guard Premium**Product no.:** 1500**Current version :** 3.2.1, issued: 14.09.2020**Replaced version:** 3.2.0, issued: 10.03.2020**Region:** GB**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name****ERC Flow Guard Premium****1.2 Relevant identified uses of the substance or mixture and uses advised against****Relevant identified uses of the substance or mixture**

Additive for mineral oil products

Uses advised against

No data available.

1.3 Details of the supplier of the safety data sheet**Address**ERC Additiv GmbH
Bäckerstraße 11-13
21244 Buchholz
Germany

Telephone no. +49 4181 216-500

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)

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

Aquatic Chronic 2; H411

Asp. Tox. 1; H304

Skin Sens. 1; H317

STOT SE 3; H336

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**

GHS07



GHS08



GHS09

Signal word

Danger

Hazardous component(s) to be indicated on label:

hydrocarbons, C10, aromatics, <1% naphthalene

A mixture of: 2,2',2'',2'''-(ethylenedinitrilotetrakis-N,N-di(C16)alkylacetamide;2,2',2'',2'''-(ethylenedinitrilotetrakis-N,N-di(C18)alkylacetamide

Hazard statement(s)

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H304 May be fatal if swallowed and enters airways.
 H317 May cause an allergic skin reaction.
 H336 May cause drowsiness or dizziness.
 H411 Toxic to aquatic life with long lasting effects.

Hazard statements (EU)

EUH066 Repeated exposure may cause skin dryness or cracking.
 EUH208 Contains (Z)-4-[C11-13 (branched) alkylamino]-4-oxo-2-butenic acid. May produce an allergic reaction.

Precautionary statement(s)

P273 Avoid release to the environment.
 P280 Wear protective gloves/eye protection.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
 P331 Do NOT induce vomiting.
 P391 Collect spillage.

2.3 Other hazards

No data available.

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	hydrocarbons, C10, aromatics, <1% naphthalene		
	-	Aquatic Chronic 2; H411	>= 70.00 - < 90.00 %-b.w.
	918-811-1	Asp. Tox. 1; H304	
	-	EUH066	
	01-2119463583-34	STOT SE 3; H336	
2	Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)		
	-	EUH066	>= 5.00 - < 10.00 %-b.w.
	925-653-7	Asp. Tox. 1; H304	
	-	Aquatic Chronic 3; H412	
	01-2119458869-15		
3	hydrocarbons, C10, aromatics, <1% naphthalene		
	-	Aquatic Chronic 2; H411	< 5.00 %-b.w.
	918-811-1	Asp. Tox. 1; H304	
	-	EUH066	
	-	STOT SE 3; H336	
4	A mixture of: 2,2',2'',2'''-(ethylenedinitrilotetrakis-N,N-di(C16)alkylacetamide;2,2',2'',2'''-(ethylenedinitrilotetrakis-N,N-di(C18)alkylacetamide		
	136920-07-5	Skin Sens. 1; H317	< 2.50 %-b.w.
	406-640-0		
	616-047-00-0		
	01-0000015616-68		
5	(Z)-4-[C11-13 (branched) alkylamino]-4-oxo-2-butenic acid		
	-	Aquatic Chronic 2; H411	< 2.50 %-b.w.
	701-116-0	Eye Irrit. 2; H319	
	-	Skin Irrit. 2; H315	
	01-2119980949-12	Skin Sens. 1; H317	
6	naphthalene		
	91-20-3	Acute Tox. 4*; H302	< 0.50 %-b.w.
	202-049-5	Aquatic Acute 1; H400	
	601-052-00-2	Aquatic Chronic 1; H410	
	-	Carc. 2; H351	

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Full Text for all H-phrases and EUH-phrases: pls. see section 16

(*, **, ***, ****) Detailed explanation pls. refer to CLP regulation No. 1272/2008, annex VI, 1.2

SECTION 4: First aid measures

4.1 Description of first aid measures

After inhalation

No data available.

After skin contact

No data available.

After eye contact

No data available.

After ingestion

No data available.

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

No data available.

Unsuitable extinguishing media

No data available.

5.2 Special hazards arising from the substance or mixture

No data available.

5.3 Advice for firefighters

No data available.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

No data available. Personal protective equipment (PPE) - see Section 8.

For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions

No data available.

6.3 Methods and material for containment and cleaning up

No data available.

6.4 Reference to other sections

No data available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

No data available.

7.2 Conditions for safe storage, including any incompatibilities

No data available.

7.3 Specific end use(s)

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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	naphthalene	91-20-3	202-049-5
	91/322/EWG		
	Naphtalene		
	WEL long-term (8-hr TWA reference period)	50	mg/m ³ 10 ppm

DNEL, DMEL and PNEC values

DNEL values (worker)

No	Substance name	CAS / EC no		
	Route of exposure	Exposure time	Effect	Value
1	hydrocarbons, C10, aromatics, <1% naphthalene	-		918-811-1
	dermal	Long term (chronic)	systemic	12.5 mg/kg/day
	inhalative	Long term (chronic)	systemic	151 mg/m ³
2	A mixture of: 2,2',2'',2'''-(ethylenedinitrilotetrakis-N,N-di(C16)alkylacetamide;2,2',2'',2'''-(ethylenedinitrilotetrakis-N,N-di(C18)alkylacetamide	136920-07-5 406-640-0		
	dermal	Long term (chronic)	systemic	250 mg/kg/day

DNEL value (consumer)

No	Substance name	CAS / EC no		
	Route of exposure	Exposure time	Effect	Value
1	hydrocarbons, C10, aromatics, <1% naphthalene	-		918-811-1
	oral	Long term (chronic)	systemic	7.5 mg/kg/day
	dermal	Long term (chronic)	systemic	7.5 mg/kg/day
	inhalative	Long term (chronic)	systemic	32 mg/m ³
2	A mixture of: 2,2',2'',2'''-(ethylenedinitrilotetrakis-N,N-di(C16)alkylacetamide;2,2',2'',2'''-(ethylenedinitrilotetrakis-N,N-di(C18)alkylacetamide	136920-07-5 406-640-0		
	oral	Long term (chronic)	systemic	125 mg/kg/day
	dermal	Long term (chronic)	systemic	125 mg/kg/day

8.2 Exposure controls

Appropriate engineering controls

No data available.

Personal protective equipment

Respiratory protection

No data available.

Eye / face protection

No data available.

Hand protection

No data available.

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form/Colour

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No data available			
Odour			
No data available			
Odour threshold			
No data available			
pH value			
No data available			
Boiling point / boiling range			
Value	>	160	°C
Melting point / melting range			
No data available			
Decomposition point / decomposition range			
No data available			
Flash point			
Value	>	61	°C
Auto-ignition temperature			
No data available			
Oxidising properties			
No data available			
Explosive properties			
No data available			
Flammability (solid, gas)			
No data available			
Lower flammability or explosive limits			
No data available			
Upper flammability or explosive limits			
No data available			
Vapour pressure			
No data available			
Vapour density			
No data available			
Evaporation rate			
No data available			
Relative density			
No data available			
Density			
No data available			
Solubility in water			
No data available			
Solubility(ies)			
No data available			
Partition coefficient: n-octanol/water			
No data available			
Viscosity			
Value	<	20.5	mm ² /s
Reference temperature		40	°C
Type	kinematic		

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9.2 Other information

Other information

No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available.

10.2 Chemical stability

No data available.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

No data available.

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

No data available.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity			
No	Substance name	CAS no.	EC no.
1	A mixture of: 2,2',2'',2'''-(ethylenedinitrilotetrakis-N,N-di(C16)alkylacetamide;2,2',2'',2'''-(ethylenedinitrilotetrakis-N,N-di(C18)alkylacetamide	136920-07-5	406-640-0
LD50	>	2200	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	naphthalene	91-20-3	202-049-5
LD50	>	533	mg/kg bodyweight
Species	rat		
Source	ECHA		

Acute dermal toxicity			
No	Substance name	CAS no.	EC no.
1	A mixture of: 2,2',2'',2'''-(ethylenedinitrilotetrakis-N,N-di(C16)alkylacetamide;2,2',2'',2'''-(ethylenedinitrilotetrakis-N,N-di(C18)alkylacetamide	136920-07-5	406-640-0
LD50	>	2000	mg/kg bodyweight
Species	rabbit		
Method	OECD 402		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Acute inhalational toxicity			
No data available			

Skin corrosion/irritation			
No	Substance name	CAS no.	EC no.
1	A mixture of: 2,2',2'',2'''-(ethylenedinitrilotetrakis-N,N-di(C16)alkylacetamide;2,2',2'',2'''-(ethylenedinitrilotetrakis-N,N-di(C18)alkylacetamide	136920-07-5	406-640-0
Species	rabbit		

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Method	OECD 404
Source	ECHA
Evaluation	non-irritant
Evaluation/classification	Based on available data, the classification criteria are not met.

Serious eye damage/irritation			
No	Substance name	CAS no.	EC no.
1	A mixture of: 2,2',2'',2'''-(ethylenedinitrilotetrakis-N,N-di(C16)alkylacetamide;2,2',2'',2'''-(ethylenedinitrilotetrakis-N,N-di(C18)alkylacetamide	136920-07-5	406-640-0
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	non-irritant		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Respiratory or skin sensitisation			
No	Substance name	CAS no.	EC no.
1	A mixture of: 2,2',2'',2'''-(ethylenedinitrilotetrakis-N,N-di(C16)alkylacetamide;2,2',2'',2'''-(ethylenedinitrilotetrakis-N,N-di(C18)alkylacetamide	136920-07-5	406-640-0
Route of exposure	Skin		
Species	guinea pig		
Method	OECD 406		
Source	ECHA		
Evaluation	sensitizing		
Evaluation/classification	Based on available data, the classification criteria are met.		

Germ cell mutagenicity	
No data available	

Reproduction toxicity	
No data available	

Carcinogenicity	
No data available	

STOT - single exposure	
No data available	

STOT - repeated exposure	
No data available	

Aspiration hazard	
No data available	

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)			
No	Substance name	CAS no.	EC no.
1	hydrocarbons, C10, aromatics, <1% naphthalene	-	918-811-1
LL50	>= 2	- 5	mg/l
Duration of exposure		96	h
Species	Oncorhynchus mykiss		
Method	OECD 203		
Source	ECHA		
2	A mixture of: 2,2',2'',2'''-(ethylenedinitrilotetrakis-N,N-di(C16)alkylacetamide;2,2',2'',2'''-(ethylenedinitrilotetrakis-N,N-di(C18)alkylacetamide	136920-07-5	406-640-0
LC50	>	100	mg/l
Duration of exposure		96	h
Species	Danio rerio		
Method	EU C.1		

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Source		ECHA	
Toxicity to fish (chronic)			
No	Substance name	CAS no.	EC no.
1	A mixture of: 2,2',2'',2'''-(ethylenedinitrilotetrakis-N,N-di(C16)alkylacetamide;2,2',2'',2'''-(ethylenedinitrilotetrakis-N,N-di(C18)alkylacetamide	136920-07-5	406-640-0
NOEC	>=	10	mg/l
Species	Danio rerio		
Method	OECD 204		
Source	ECHA		
Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	hydrocarbons, C10, aromatics, <1% naphthalene	-	918-811-1
EL50	>=	3	10 mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
2	A mixture of: 2,2',2'',2'''-(ethylenedinitrilotetrakis-N,N-di(C16)alkylacetamide;2,2',2'',2'''-(ethylenedinitrilotetrakis-N,N-di(C18)alkylacetamide	136920-07-5	406-640-0
EC50	>	100	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	EU C.2		
Source	ECHA		
Toxicity to Daphnia (chronic)			
No	Substance name	CAS no.	EC no.
1	A mixture of: 2,2',2'',2'''-(ethylenedinitrilotetrakis-N,N-di(C16)alkylacetamide;2,2',2'',2'''-(ethylenedinitrilotetrakis-N,N-di(C18)alkylacetamide	136920-07-5	406-640-0
NOEC	>=	10	mg/l
Duration of exposure		21	day(s)
Species	Daphnia magna		
Source	ECHA		
Toxicity to algae (acute)			
No	Substance name	CAS no.	EC no.
1	hydrocarbons, C10, aromatics, <1% naphthalene	-	918-811-1
EL50	>=	1	3 mg/l
Duration of exposure		72	h
Species	Pseudokirchneriella subcapitata		
Method	OECD 201		
Source	ECHA		
2	A mixture of: 2,2',2'',2'''-(ethylenedinitrilotetrakis-N,N-di(C16)alkylacetamide;2,2',2'',2'''-(ethylenedinitrilotetrakis-N,N-di(C18)alkylacetamide	136920-07-5	406-640-0
EC50	>	80	mg/l
Duration of exposure		72	h
Species	Desmodesmus subspicatus		
Source	ECHA		
Toxicity to algae (chronic)			
No	Substance name	CAS no.	EC no.
1	A mixture of: 2,2',2'',2'''-(ethylenedinitrilotetrakis-N,N-di(C16)alkylacetamide;2,2',2'',2'''-(ethylenedinitrilotetrakis-N,N-di(C18)alkylacetamide	136920-07-5	406-640-0
NOEC	>=	80	mg/l
Species	Desmodesmus subspicatus		
Source	ECHA		

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Bacteria toxicity			
No	Substance name	CAS no.	EC no.
1	A mixture of: 2,2',2'',2'''-(ethylenedinitrilotetrakis-N,N-di(C16)alkylacetamide;2,2',2'',2'''-(ethylenedinitrilotetrakis-N,N-di(C18)alkylacetamide	136920-07-5	406-640-0
EC20		>	1000
Method		OECD 209	
Source		ECHA	

12.2 Persistence and degradability

Biodegradability			
No	Substance name	CAS no.	EC no.
1	hydrocarbons, C10, aromatics, <1% naphthalene	-	918-811-1
Type		COD	
Value		49.56	%
Duration		28	day(s)
Method		OECD 301 F	
Source		ECHA	
Evaluation		not readily biodegradable	

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

No data available.

SECTION 14: Transport information

14.1 Transport ADR/RID/ADN

Class	9
Classification code	M6
Packing group	III
Hazard identification no.	90
UN number	UN3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Technical name	hydrocarbons, C10, aromatics, <1% naphthalene hydrocarbons, C10, aromatics, <1% naphthalene
Tunnel restriction code	-
Label	9
Environmentally hazardous substance mark	Symbol "fish and tree"

14.2 Transport IMDG

Class	9
Packing group	III
UN number	UN3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Technical name	hydrocarbons, C10, aromatics, <1% naphthalene hydrocarbons, C10, aromatics, <1% naphthalene
EmS	F-A, S-F
Label	9
Marine pollutant mark	Symbol "fish and tree"

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Class	9
Packing group	III
UN number	UN3082
Proper shipping name	Environmentally hazardous substance, liquid, n.o.s.
Technical name	hydrocarbons, C10, aromatics, <1% naphthalene hydrocarbons, C10, aromatics, <1% naphthalene
Label	9
Environmentally hazardous substance mark	Symbol "fish and tree"

14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user

No data available.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

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, PREPARATIONS AND ARTICLES

The product is considered being subject to REACH regulation (EC) 1907/2006 annexe XVII.	No 3
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Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This product is subject to Part I of Annex I, risk category:	E2
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15.2 Chemical safety assessment

No data available.

SECTION 16: Other information**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.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H351	Suspected of causing cancer.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Alterations/supplements:

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

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