

Trade name: Reactive Wheel Cleaner**Product no.:** 77704999**Current version :** 2.1.0, issued: 30.06.2022**Replaced version:** 2.0.0, issued: 19.04.2021**Region:** GB**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade name

Reactive Wheel Cleaner**1.2 Relevant identified uses of the substance or mixture and uses advised against****Relevant identified uses of the substance or mixture**

Cleaner

Uses advised against

No data available.

1.3 Details of the supplier of the safety data sheet**Address**

Koch-Chemie GmbH

Einsteinstr. 42

D-59423 Unna

Telephone no. +49-2303-9 86 70-0

Fax no. +49-2303-9 86 70-26

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)

For information in the event of an emergency during transport:

+44 1865 407333

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

Acute Tox. 4; H302

Eye Dam. 1; H318

Skin Sens. 1; H317

Met. Corr. 1; H290

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**

GHS05



GHS07

Signal word

Danger

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ammonium-mercaptoacetate

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 (even numbered) acyl derivs., hydroxides, inner salts

Hazard statement(s)

H290 May be corrosive to metals.
 H302 Harmful if swallowed.
 H317 May cause an allergic skin reaction.
 H318 Causes serious eye damage.

Precautionary statement(s)

P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTER/doctor.
 P501 Dispose of contents/container to a facility in accordance with local and national regulations.

Supplemental label elements

Regulation (EC) No 648/2004 on detergents (Annex VII):

<5% Phosphonate, Phosphate

<5% non-ionic surfactants

5-15% amphoteric surfactants

Perfumings

HEXYL CINNAMAL

LIMONENE

CITRONELLOL

2.3 Other hazards

PBT assessment

According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be PBT.

vPvB assessment

According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be 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	ammonium-mercaptoacetate			
	5421-46-5 226-540-9 - 01-2119531489-31	Met. Corr. 1; H290 Acute Tox. 3; H301 Skin Sens. 1; H317	>= 10.00 - < 25.00	wt%
2	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 (even numbered) acyl derivs., hydroxides, inner salts			

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	97862-59-4 931-296-8 - 01-2119488533-30	Aquatic Chronic 3; H412 Eye Dam. 1; H318	>= 10.00 - < 25.00	wt%
3	D-Glucopyranose, oligomeric, decyl octyl glycosides			
	68515-73-1 500-220-1 - 01-2119488530-36	Eye Dam. 1; H318	< 2.50	wt%

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

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
2	-	Eye Irrit. 2; H319: C >= 4% Eye Dam. 1; H318: C >= 10%	-	-

Acute toxicity estimate (ATE) values

No	oral	dermal	inhalative
1	71 mg/kg bodyweight		

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

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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)

No data available.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****DNEL, DMEL and PNEC values****DNEL values (worker)**

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	ammonium-mercaptoacetate			5421-46-5 226-540-9	
	dermal	Long term (chronic)	systemic	2.06	mg/kg/day
	dermal	Long term (chronic)	local	0.004	mg/cm ²
	inhalative	Long term (chronic)	systemic	1.41	mg/m ³
2	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 (even numbered) acyl derivs., hydroxides, inner salts			97862-59-4 931-296-8	
	dermal	Long term (chronic)	systemic	12.5	mg/kg/day
	inhalative	Long term (chronic)	systemic	44	mg/m ³
3	D-Glucopyranose, oligomeric, decyl octyl glycosides			68515-73-1 500-220-1	
	dermal	Long term (chronic)	systemic	595000	mg/kg/day
	inhalative	Long term (chronic)	systemic	420	mg/m ³

DNEL value (consumer)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	ammonium-mercaptoacetate			5421-46-5 226-540-9	
	dermal	Long term (chronic)	systemic	0.9	mg/kg/day
2	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 (even numbered) acyl derivs., hydroxides, inner salts			97862-59-4 931-296-8	
	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	13.04	mg/m ³
3	D-Glucopyranose, oligomeric, decyl octyl glycosides			68515-73-1 500-220-1	
	oral	Long term (chronic)	systemic	35.7	mg/kg/day
	dermal	Long term (chronic)	systemic	357000	mg/kg/day
	inhalative	Long term (chronic)	systemic	124	mg/m ³

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No	Substance name	CAS / EC no	
	ecological compartment	Type	Value
1	ammonium-mercaptoacetate	5421-46-5 226-540-9	
	water	fresh water	38 µg/L
	water	marine water	3.8 µg/L
	sewage treatment plant	-	3.2 mg/L
2	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 (even numbered) acyl derivs., hydroxides, inner salts	97862-59-4 931-296-8	
	water	fresh water	0.013 mg/L
	water	marine water	0.001 mg/L
	water	fresh water sediment	11.1 mg/kg dry weight
	water	marine water sediment	1.11 mg/kg dry weight
	soil	-	0.85 mg/kg dry weight
	sewage treatment plant	-	3000 mg/L
3	D-Glucopyranose, oligomeric, decyl octyl glycosides	68515-73-1 500-220-1	
	water	fresh water	0.176 mg/L
	water	marine water	0.0176 mg/L
	water	Aqua intermittent	0.27 mg/L
	water	fresh water sediment	1.516 mg/kg dry weight
	water	marine water sediment	0.152 mg/kg dry weight
	soil	-	0.654 mg/kg dry weight
	sewage treatment plant	-	560 mg/L
	secondary poisoning	-	111.11 mg/kg food

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****State of aggregation**

liquid

Form/Colour

liquid

colourless; red

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Odour	
characteristic	
pH value	
Value	5 - 6
Boiling point / boiling range	
not determined	
Melting point/freezing point	
No data available	
Decomposition temperature	
No data available	
Flash point	
Value	> 60 °C
Ignition temperature	
No data available	
Flammability	
No data available	
Lower explosion limit	
No data available	
Upper explosion limit	
No data available	
Vapour pressure	
No data available	
Relative vapour density	
No data available	
Relative density	
No data available	
Density	
Value	1.12 g/cm ³
Reference temperature	20 °C
Solubility in water	
Comments	miscible
Solubility	
No data available	
Partition coefficient n-octanol/water (log value)	
No data available	
Kinematic viscosity	
Value	50 mPa*s
Reference temperature	25 °C
Type	dynamic
Particle characteristics	
No data available	

9.2 Other information

Other information
No data available.

SECTION 10: Stability and reactivity

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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 hazard classes as defined in Regulation (EC) No 1272/2008**

Acute oral toxicity (result of the ATE calculation for the mixture)	
No	Product Name
1	Reactive Wheel Cleaner
ATE (Mixture)	400.00 mg/kg
Method	Calculation method according Regulation (EC) No 1272/2008, (CLP), annex I, part 3, section 3.1.3.6.

Acute oral toxicity			
No	Substance name	CAS no.	EC no.
1	ammonium-mercaptoacetate	5421-46-5	226-540-9
LD50		35 - 142	mg/kg bodyweight
Species		rat	
Method		OECD 423	
Source		ECHA	
2	D-Glucopyranose, oligomeric, decyl octyl glycosides	68515-73-1	500-220-1
LD50		> 2000	mg/kg bodyweight
Species		rat	
Method		OECD 423	
Source		ECHA	

Acute dermal toxicity			
No	Substance name	CAS no.	EC no.
1	ammonium-mercaptoacetate	5421-46-5	226-540-9
LD50		> 2000	mg/kg bodyweight
Species		rat	
Method		OECD 402	
Source		ECHA	
2	D-Glucopyranose, oligomeric, decyl octyl glycosides	68515-73-1	500-220-1
LD50		> 2000	mg/kg bodyweight
Species		rabbit	
Method		OECD 402	
Source		ECHA	

Acute inhalational toxicity	
No data available	

Skin corrosion/irritation			
No	Substance name	CAS no.	EC no.
1	ammonium-mercaptoacetate	5421-46-5	226-540-9

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Species	rabbit
Method	OECD 404
Source	ECHA
Evaluation	low-irritant

Serious eye damage/irritation			
No	Substance name	CAS no.	EC no.
1	ammonium-mercaptoacetate	5421-46-5	226-540-9
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	low-irritant		
2	D-Glucopyranose, oligomeric, decyl octyl glycosides	68515-73-1	500-220-1
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	Irreversible effects on the eye		

Respiratory or skin sensitisation			
No	Substance name	CAS no.	EC no.
1	ammonium-mercaptoacetate	5421-46-5	226-540-9
Route of exposure	Skin		
Species	mouse		
Method	OECD 429		
Source	ECHA		
Evaluation	sensitizing		
2	D-Glucopyranose, oligomeric, decyl octyl glycosides	68515-73-1	500-220-1
Route of exposure	Skin		
Species	guinea pig		
Source	ECHA		
Evaluation	non-sensitizing		

Germ cell mutagenicity			
No	Substance name	CAS no.	EC no.
1	ammonium-mercaptoacetate	5421-46-5	226-540-9
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.		

Reproduction toxicity			
No	Substance name	CAS no.	EC no.
1	D-Glucopyranose, oligomeric, decyl octyl glycosides	68515-73-1	500-220-1
NOAEL			
Species	rat		
Method	OECD 421		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Carcinogenicity
No data available

STOT - single exposure
No data available

STOT - repeated exposure
No data available

Aspiration hazard
No data available

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No data available.

Other information

No data available.

SECTION 12: Ecological information**12.1 Toxicity**

Toxicity to fish (acute)			
No	Substance name	CAS no.	EC no.
1	ammonium-mercaptoacetate	5421-46-5	226-540-9
LC50	>	100	mg/l
Duration of exposure		96	h
Species	Oncorhynchus mykiss		
Method	OECD 203		
Source	ECHA		
2	D-Glucopyranose, oligomeric, decyl octyl glycosides	68515-73-1	500-220-1
LC50		126	mg/l
Duration of exposure		96	h
Species	Danio rerio		
Method	OECD 203		
Source	ECHA		

Toxicity to fish (chronic)			
No	Substance name	CAS no.	EC no.
1	D-Glucopyranose, oligomeric, decyl octyl glycosides	68515-73-1	500-220-1
NOEC		1.8	mg/l
Duration of exposure		28	day(s)
Species	Brachydanio rerio		
Method	OECD 204		
Source	ECHA		

Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	D-Glucopyranose, oligomeric, decyl octyl glycosides	68515-73-1	500-220-1
EC50	>	100	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	D-Glucopyranose, oligomeric, decyl octyl glycosides	68515-73-1	500-220-1
NOEC		1	mg/l
Duration of exposure		21	day(s)
Species	Daphnia magna		
Method	OECD 211		
Source	OECD 202		

Toxicity to algae (acute)			
No	Substance name	CAS no.	EC no.
1	D-Glucopyranose, oligomeric, decyl octyl glycosides	68515-73-1	500-220-1
EC50		27.22	mg/l
Duration of exposure		72	h
Species	Desmodesmus subspicatus		
Source	ECHA		

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Toxicity to algae (chronic)			
No data available			
Bacteria toxicity			
No	Substance name	CAS no.	EC no.
1	D-Glucopyranose, oligomeric, decyl octyl glycosides	68515-73-1	500-220-1
EC50	>	560	mg/l
Duration of exposure		6	h
Species	Pseudomonas putida		
Method	Bringmann and Kuehn (1977)		
Source	ECHA		

12.2 Persistence and degradability

Biodegradability			
No	Substance name	CAS no.	EC no.
1	D-Glucopyranose, oligomeric, decyl octyl glycosides	68515-73-1	500-220-1
Type	DOC decrease		
Value		100	%
Duration		28	day(s)
Method	OECD 301 E		
Source	ECHA		
Evaluation	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

Results of PBT and vPvB assessment	
PBT assessment	According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be PBT.
vPvB assessment	According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be 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**

No data available.

SECTION 14: Transport information**14.1 Transport ADR/RID/ADN**

Class	8
Classification code	C9
Packing group	III
Hazard identification no.	80
UN number	UN1760
Proper shipping name	CORROSIVE LIQUID, N.O.S.

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Label 8**14.2 Transport IMDG**Class 8
Packing group III
UN number UN1760
Proper shipping name CORROSIVE LIQUID, N.O.S.
EmS F-A, S-B
Label 8**14.3 Transport ICAO-TI / IATA**Class 8
Packing group III
UN number UN1760
Proper shipping name Corrosive liquid, n.o.s.
Label 8**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 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

The product is considered being subject to REACH regulation (EC) 1907/2006 annex XVII. No 3

The product contains following substance(s) that are considered being subject to REACH regulation (EC) 1907/2006 annex XVII.

No	Substance name	CAS no.	EC no.	No
1	(R)-p-mentha-1,8-diene	5989-27-5	227-813-5	75
2	Acetic acid	64-19-7	200-580-7	75

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 regulationsAdhere to the national sanitary and occupational safety regulations when using this product.
Employment restrictions, according to the regulations for protection of expectant and nursing mothers and the youth health and safety regulations, serving to protect against hazardous materials, should be observed.
The surfactants contained in this product comply with the DetVO 648/2004/EC.

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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)**

H301

Toxic if swallowed.

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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