

Trade name: Reactive Rust Remover**Product no.:** 359999**Current version :** 1.0.0, issued: 01.12.2020**Replaced version: -**, issued: -**Region:** GB**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name****Reactive Rust Remover****1.2 Relevant identified uses of the substance or mixture and uses advised against****Relevant identified uses of the substance or mixture**

rust remover

Uses advised against

No data available.

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

Koch-Chemie GmbH

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D-59423 Unna

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

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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 Irrit. 2; H319

Met. Corr. 1; H290

Skin Sens. 1; H317

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

Warning

Trade name: Reactive Rust Remover**Product no.:** 359999**Current version :** 1.0.0, issued: 01.12.2020**Replaced version:** -, issued: -**Region:** GB**Hazardous component(s) to be indicated on label:**ammonium-mercaptoacetate
benzaldehyde**Hazard statement(s)**H290 May be corrosive to metals.
H302 Harmful if swallowed.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.**Precautionary statement(s)**P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P261 Avoid breathing spray.
P280 Wear protective gloves/eye protection/face protection.
P314 Get medical advice/attention if you feel unwell.
P390 Absorb spillage to prevent material damage.
P405 Store locked up.
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):
5-15% anionic surfactants
Perfumings
ALPHA-ISOMETHYL IONONE**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	Alcohols, C12-14, ethoxylated, sulfates, sodium salts			
	68891-38-3 500-234-8 - 01-2119488639-16	Eye Dam. 1; H318 Skin Irrit. 2; H315 Aquatic Chronic 3; H412	>= 5.00 - < 10.00	wt%
3	sodium p-cumenesulphonate			

Trade name: Reactive Rust Remover**Product no.:** 359999**Current version :** 1.0.0, issued: 01.12.2020**Replaced version:** -, issued: -**Region:** GB

	15763-76-5 239-854-6 - 01-2119489411-37	Eye Irrit. 2; H319	< 2.50	wt%
4	benzaldehyde			
	100-52-7 202-860-4 605-012-00-5 01-2119455540-44	Acute Tox. 4; H302	< 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 >= 5% Eye Dam. 1; H318: C >= 10%	-	-

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 allergic symptoms, especially respiratory tract related, seek medical help immediately.

After inhalation

Remove affected persons from dangerous area by observing suitable respiratory protection measures. Ensure supply of fresh air.

After skin contact

Wash off immediately with soap and water. Consult a doctor if skin irritation persists.

After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Seek medical assistance.

After ingestion

Rinse out mouth and give plenty of water to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor immediately.

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; Foam; Carbon dioxide; Dry chemical extinguisher

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 (CO); Carbon dioxide (CO₂); Sulphur oxides (S_xO_y); Nitrogen oxides (NO_x)

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear full protective suit.

SECTION 6: Accidental release measures

Trade name: Reactive Rust Remover**Product no.:** 359999**Current version :** 1.0.0, issued: 01.12.2020**Replaced version:** -, issued: -**Region:** GB**6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

Refer to protective measures listed in sections 7 and 8. Use personal protective clothing.

For emergency responders

Personal protective equipment (PPE) - see section 8.

6.2 Environmental precautions

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

6.3 Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Flush away residues with water.

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.

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Do not inhale vapours. Avoid contact with eyes and skin. Wash hands before breaks and after work. Remove contaminated clothing and shoes and launder thoroughly before reusing. Provide eye wash fountain in work area. Have emergency shower available.

7.2 Conditions for safe storage, including any incompatibilities**Technical measures and storage conditions**

Keep container tightly closed. Store in a dry place. Keep from freezing.

Recommended storage temperature

Value Room temperature

Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Keep only in the original container.

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****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

Trade name: Reactive Rust Remover

Product no.: 359999

Current version : 1.0.0, issued: 01.12.2020

Replaced version: -, issued: -

Region: GB

	dermal	Long term (chronic)	local	0.004	mg/cm ²
	inhalative	Long term (chronic)	systemic	1.41	mg/m ³
2	Alcohols, C12-14, ethoxylated, sulfates, sodium salts			68891-38-3 500-234-8	
	dermal	Long term (chronic)	systemic	2750	mg/kg/day
	dermal	Long term (chronic)	local	132	µg/cm ²
	inhalative	Long term (chronic)	systemic	175	mg/m ³
3	sodium p-cumenesulphonate			15763-76-5 239-854-6	
	dermal	Long term (chronic)	systemic	7.6	mg/kg/day
	inhalative	Long term (chronic)	systemic	53.6	mg/m ³
4	benzaldehyde			100-52-7 202-860-4	
	dermal	Long term (chronic)	systemic	1.14	mg/kg/day
	dermal	Short term (acut)	local	1	% in mixture (weight basis)
	inhalative	Long term (chronic)	systemic	9.8	mg/m ³
	inhalative	Long term (chronic)	local	9.8	mg/m ³

DNEL value (consumer)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	ammonium-mercaptopacetate			5421-46-5 226-540-9	
	dermal	Long term (chronic)	systemic	0.9	mg/kg/day
2	Alcohols, C12-14, ethoxylated, sulfates, sodium salts			68891-38-3 500-234-8	
	oral	Long term (chronic)	systemic	15	mg/kg/day
	dermal	Long term (chronic)	systemic	1650	mg/kg/day
	dermal	Long term (chronic)	local	79	µg/cm ²
	inhalative	Long term (chronic)	systemic	52	mg/m ³
3	sodium p-cumenesulphonate			15763-76-5 239-854-6	
	oral	Long term (chronic)	systemic	3.8	mg/kg/day
	dermal	Long term (chronic)	systemic	3.8	mg/kg/day
	inhalative	Long term (chronic)	systemic	13.2	mg/m ³
4	benzaldehyde			100-52-7 202-860-4	
	oral	Long term (chronic)	systemic	0.67	mg/kg/day
	dermal	Long term (chronic)	systemic	0.67	mg/kg/day
	dermal	Short term (acut)	local	1	% in mixture (weight basis)
	inhalative	Long term (chronic)	systemic	4.9	mg/m ³
	inhalative	Long term (chronic)	local	4.9	mg/m ³

PNEC values

No	Substance name		CAS / EC no	
	ecological compartment	Type	Value	
1	ammonium-mercaptopacetate		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	Alcohols, C12-14, ethoxylated, sulfates, sodium salts		68891-38-3 500-234-8	
	water	fresh water	0.24	mg/L
	water	marine water	0.024	mg/L
	water	Aqua intermittent	0.071	mg/L

Trade name: Reactive Rust Remover**Product no.:** 359999**Current version :** 1.0.0, issued: 01.12.2020**Replaced version:** -, issued: -**Region:** GB

	water	fresh water sediment	0.917	mg/kg dry weight
	water	marine water sediment	0.092	mg/kg dry weight
	soil	-	7.5	mg/kg dry weight
	sewage treatment plant	-	10	g/L
3	sodium p-cumenesulphonate		15763-76-5 239-854-6	
	water	fresh water	0.23	mg/L
	water	Aqua intermittent	2.3	mg/L
	sewage treatment plant	-	100	mg/L
4	benzaldehyde		100-52-7 202-860-4	
	water	fresh water	0.002	mg/L
	water	fresh water sediment	0.022	mg/kg dry weight
	water	marine water	0	mg/L
	water	marine water sediment	0.022	mg/kg dry weight
	water	Aqua intermittent	0.011	mg/L
	soil	-	0.003	mg/kg dry weight
	sewage treatment plant	-	7.59	mg/L

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 aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified. Respiratory protection mask with combination filter.

Respirator A P2

Eye / face protection

Tightly fitting safety glasses (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	butyl rubber		
Appropriate Material	neoprene		
Appropriate Material	Polychloroprene		
Appropriate Material	nitrile		
Material thickness	>=	0.5	mm
Breakthrough time	>	480	min

Other

Chemical-resistant work clothes.

Environmental exposure controls

No data available.

Trade name: Reactive Rust Remover

Product no.: 359999

Current version : 1.0.0, issued: 01.12.2020

Replaced version: -, issued: -

Region: GB

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Form/Colour	
liquid	
reddish	
Odour	
characteristic	
Odour threshold	
No data available	
pH value	
Value	7 - 8
Boiling point / boiling range	
No data available	
Melting point / melting range	
No data available	
Decomposition point / decomposition range	
No data available	
Flash point	
No data available	
Auto-ignition temperature	
No data available	
Oxidising properties	
not oxidizing	
Explosive properties	
The product does not have explosive properties.	
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	
Value	1.12
Density	
No data available	
Solubility in water	
No data available	
Solubility(ies)	

Trade name: Reactive Rust Remover**Product no.:** 359999**Current version :** 1.0.0, issued: 01.12.2020**Replaced version:** -, issued: -**Region:** GB

No data available

Partition coefficient: n-octanol/water

No data available

Viscosity

No data available

9.2 Other information**Other information**

No data available.

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

No data available.

10.2 Chemical stability

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

10.3 Possibility of hazardous reactions

Formation of hydrogen gas possible on contact with certain metals (f.e. aluminium)

10.4 Conditions to avoid

None known

10.5 Incompatible materials

strong bases; strong oxidizing agents; Corrosive to metals.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information**11.1 Information on toxicological effects****Acute oral toxicity (result of the ATE calculation for the mixture)**

No	Product Name		
1	Reactive Rust Remover		
	ATE (Mixture)	319.96	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	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	500-234-8
	LD50	4100	mg/kg bodyweight
	Species	rat	
	Method	OECD 401	
	Source	ECHA	
3	sodium p-cumenesulphonate	15763-76-5	239-854-6
	LD50	>	7000 mg/kg bodyweight
	Species	rat	
	with reference to	CAS 28348-53-0	
	Method	OECD 401	

Trade name: Reactive Rust Remover

Product no.: 359999

Current version : 1.0.0, issued: 01.12.2020

Replaced version: -, issued: -

Region: GB

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	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	500-234-8
LD50	>	2000	mg/kg bodyweight
Species	rat		
Method	OECD 402		
Source	ECHA		
3	sodium p-cumenesulphonate	15763-76-5	239-854-6
LD50	>	2000	mg/kg bodyweight
Species	rabbit		
with reference to	CAS 28348-53-0		
Method	OECD 402		
Source	ECHA		
Acute inhalational toxicity			
No	Substance name	CAS no.	EC no.
1	sodium p-cumenesulphonate	15763-76-5	239-854-6
LC50	>	6.41	mg/l
Duration of exposure		4	h
State of aggregation	Dust/mist		
Species	rat		
with reference to	CAS 28348-53-0		
Source	ECHA		
Skin corrosion/irritation			
No	Substance name	CAS no.	EC no.
1	ammonium-mercaptoacetate	5421-46-5	226-540-9
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	low-irritant		
2	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	500-234-8
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	irritant		
3	sodium p-cumenesulphonate	15763-76-5	239-854-6
Species	rabbit		
with reference to	CAS 28348-53-0		
Method	OECD 404		
Source	ECHA		
Evaluation	low-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	ammonium-mercaptoacetate	5421-46-5	226-540-9
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	low-irritant		

Trade name: Reactive Rust Remover

Product no.: 359999

Current version : 1.0.0, issued: 01.12.2020

Replaced version: -, issued: -

Region: GB

2	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	500-234-8
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	strongly irritant		
3	sodium p-cumenesulphonate	15763-76-5	239-854-6
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	irritant		
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	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	500-234-8
Route of exposure		Skin	
Species	guinea pig		
Method	OECD 406		
Source	ECHA		
Evaluation	non-sensitizing		
3	sodium p-cumenesulphonate	15763-76-5	239-854-6
Route of exposure		Skin	
Species with reference to	guinea pig CAS 28348-53-0		
Method	OECD 406		
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.		
2	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	500-234-8
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
3	sodium p-cumenesulphonate	15763-76-5	239-854-6
Type of examination with reference to	Chromosome aberration test CAS 28348-53-0		
Method	OECD 474		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
Reproduction toxicity			
No	Substance name	CAS no.	EC no.
1	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	500-234-8
Source	ECHA		

Trade name: Reactive Rust Remover

Product no.: 359999

Current version : 1.0.0, issued: 01.12.2020

Replaced version: -, issued: -

Region: GB

Evaluation/classification	Based on available data, the classification criteria are not met.
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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	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	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	500-234-8
LC50		7.1	mg/l
Duration of exposure		96	h
Species	Danio rerio		
Method	OECD 203		
Source	ECHA		

Toxicity to fish (chronic)
No data available

Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	500-234-8
EC50		7.4	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		

Toxicity to Daphnia (chronic)
No data available

Toxicity to algae (acute)			
No	Substance name	CAS no.	EC no.
1	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	500-234-8
ErC50		27.7	mg/l
Duration of exposure		72	h
Species	Desmodesmus subspicatus		
Method	OECD 201		
Source	ECHA		

Toxicity to algae (chronic)			
No	Substance name	CAS no.	EC no.

Trade name: Reactive Rust Remover**Product no.:** 359999**Current version :** 1.0.0, issued: 01.12.2020**Replaced version:** -, issued: -**Region:** GB

1	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	500-234-8
NOEC		0.95	mg/l
Duration of exposure		72	h
Species	Desmodemus subspicatus		
Method	OECD 201		
Source	ECHA		

Bacteria toxicity			
No	Substance name	CAS no.	EC no.
1	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	500-234-8
EC50		>	10000 mg/l
Duration of exposure		16	h
Species	Pseudomonas putida		
Method	DIN 38412 T.8		
Source	ECHA		

12.2 Persistence and degradability

Biodegradability			
No	Substance name	CAS no.	EC no.
1	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	500-234-8
Type	DOC decrease		
Value		100	%
Duration		14	day(s)
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 Other adverse effects

No data available.

12.7 Other information

Other information
Do not discharge product unmonitored into the environment.

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

Trade name: Reactive Rust Remover**Product no.:** 359999**Current version :** 1.0.0, issued: 01.12.2020**Replaced version:** -, issued: -**Region:** GB

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

Residuals 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 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.
Technical name	ammonium-mercaptopacetate
Tunnel restriction code	E
Label	8

14.2 Transport IMDG

Class	8
Packing group	III
UN number	UN1760
Proper shipping name	CORROSIVE LIQUID, N.O.S.
Technical name	ammonium-mercaptopacetate
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.
Technical name	ammonium-mercaptopacetate
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 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.

Trade name: Reactive Rust Remover**Product no.:** 359999**Current version :** 1.0.0, issued: 01.12.2020**Replaced version:** -, issued: -**Region:** GB**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
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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.
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.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

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)

H301	Toxic if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H412	Harmful to aquatic life with long lasting effects.

Creation of the safety data sheet

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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.

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