Trade name: Reactive Rust Remover Product no.: 359999 Current version : 1.0.0, issued: 01.12.2020

Replaced version: -, issued: -

Region: IE

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 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 numb

Emergency telephone number +353 1 809 2166 (National Poisons Information Centre)

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



Signal word Warning

Hazardous component(s) to be indicated on label: ammonium-mercaptoacetate benzaldehyde Trade name: Reactive Rust Remover Product no.: 359999 Current version : 1.0.0, issued: 01.12.2020

Replaced version: -, issued: -

Region: IE

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		Additio	onal information	
	CAS / EC / Index /	Classification (EC) 1272/2008 (CLP)	Concer	ntration	%
	REACH no				
1	ammonium-merca	otoacetate			
	5421-46-5	Met. Corr. 1; H290	>=	10,00 - < 25	00 wt%
	226-540-9	Acute Tox. 3; H301			
	-	Skin Sens. 1; H317			
	01-2119531489-31				
2	Alcohols, C12-14, e	ethoxylated, sulfates, sodium salts			
	68891-38-3	Eye Dam. 1; H318	>=	5,00 - < 10,	00 wt%
	500-234-8	Skin Irrit. 2; H315			
	-	Aquatic Chronic 3; H412			
	01-2119488639-16				
3	sodium p-cumenes	sulphonate			
	15763-76-5	Eye Irrit. 2; H319	<	2,50	wt%
	239-854-6				
	-				

Product no.: 359999

Current version : 1.0.0, issued: 01.12.2020

Replaced version: -, issued: -

Region: IE

	01-2119489411-37				
4	benzaldehyde				
	100-52-7	Acute Tox. 4; H302	<	2,50	wt%
	202-860-4				
	605-012-00-5				
	01-2119455540-44				

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 (SxOy); Nitrogen oxides (NOx)

5.3 Advice for firefighters

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

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. Use personal protective clothing.

Product no.: 359999

Current version : 1.0.0, issued: 01.12.2020

Replaced version: -, issued: -

Region: IE

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

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	Substance name		CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	ammonium-mercaptoace	tate		5421-46-5	
				226-540-9	
	dermal	Long term (chronic)	systemic	2,06	mg/kg/day
	dermal	Long term (chronic)	local	0,004	mg/cm²
	inhalative	Long term (chronic)	systemic	1,41	mg/m³
2	Alcohols, C12-14, ethoxy	lated, sulfates, sodium sa	lts	68891-38-3	
				500-234-8	

Room temperature

Product no.: 359999

Current version : 1.0.0, issued: 01.12.2020

Replaced version: -, issued: -

Region: IE

	dermal	Long term (chronic)	systemic	2750	mg/kg/day
	dermal	Long term (chronic)	local	132	µg/cm²
	inhalative	Long term (chronic)	systemic	175	mg/m³
3	sodium p-cumenesulpho	nate		15763-76-5 239-854-6	
	dermal	Long term (chronic)	systemic	7,6	mg/kg/day
	inhalative	Long term (chronic)	systemic	53,6	mg/m³
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/m³

DNEL value (consumer)

No	Substance name			CAS / EC r	າວ
	Route of exposure	Exposure time	Effect	Value	
1	ammonium-mercaptoac	etate		5421-46-5	
				226-540-9	
	dermal	Long term (chronic)	systemic	0,9	mg/kg/day
2	Alcohols, C12-14, ethox	ylated, sulfates, sodium	salts	68891-38-3	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/cm²
	inhalative	Long term (chronic)	systemic	52	mg/m³
3	sodium p-cumenesulph	onate		15763-76-5	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/m³
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/m³
	inhalative	Long term (chronic)	local	4,9	mg/m³

PNEC values

No	Substance name		CAS / EC no	
	ecological compartment	Туре	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	Alcohols, C12-14, ethoxylated, sulfates	s, 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
	water	fresh water sediment	0,917	mg/kg dry
				weight
	water	marine water sediment	0,092	mg/kg dry
				weight

Product no.: 359999

Current version : 1.0.0, issued: 01.12.2020

Replaced version: -, issued: -

Region: IE

	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.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

ent version : 1.0.0, issued: 01.12.2020	Replaced version: -, issued: -	Region:
Form/Colour		
liquid reddish		
Odour		
characteristic		
Odour threshold		
No data available		
pH 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) No data available		

Product no.: 359999

Current version : 1.0.0, issued: 01.12.2020

Replaced version: -, issued: -

Region: IE

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

Acu	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 1 (CLP), annex I, part 3, section 3.1.3.6.		Calculation method according Regulation (EC) No 1272/2008, (CLP) appex L part 3 section 3.1.3.6		
		(CLP), annex I, part 3, section 3.1.3.6.		

Acu	te oral toxicity				
No	Substance name		CAS no.		EC no.
1	ammonium-mercaptoacetate		5421-46-5		226-540-9
LD5	0	35	-	142	mg/kg bodyweight
Spec	cies	rat			
Meth	nod	OECD 423			
Sour	rce	ECHA			
2	Alcohols, C12-14, ethoxylated, sulfates,	sodium	68891-38-3		500-234-8
	salts				
LD5	0			4100	mg/kg bodyweight
Spec	cies	rat			
Meth	nod	OECD 401			
Sour	rce	ECHA			
3	sodium p-cumenesulphonate		15763-76-5		239-854-6
LD5	0	>		7000	mg/kg bodyweight
Spec	cies	rat			
with	with reference to		53-0		
Meth	nod	OECD 401			
Sour	Source				
Acu	te dermal toxicity				
No	Substance name		CAS no.		EC no.
1	ammonium-mercaptoacetate		5421-46-5		226-540-9

Product no.: 359999 Current version : 1.0.0, issued: 01.12.2020 Replaced version: -, issued: -Region: IE LD50 2000 mg/kg bodyweight > Species rat Method **OECD 402** Source **ECHA** Alcohols, C12-14, ethoxylated, sulfates, sodium 68891-38-3 500-234-8 2 salts LD50 2000 mg/kg bodyweight > Species rat OECD 402 Method Source **ECHA** sodium p-cumenesulphonate 3 15763-76-5 239-854-6 LD50 > 2000 mg/kg bodyweight Species rabbit CAS 28348-53-0 with reference to **OECD 402** Method Source **ECHA** Acute inhalational toxicity No Substance name CAS no. EC no. sodium p-cumenesulphonate 15763-76-5 239-854-6 1 LC50 6,41 mg/l > Duration of exposure 4 h State of aggregation Dust/mist Species rat CAS 28348-53-0 with reference to Source **ECHA** Skin corrosion/irritation No Substance name CAS no. EC no. 5421-46-5 ammonium-mercaptoacetate 226-540-9 1 Species rabbit Method **OECD 404** ECHA Source Evaluation low-irritant Alcohols, C12-14, ethoxylated, sulfates, sodium 2 68891-38-3 500-234-8 salts Species rabbit Method **OECD 404** ECHA Source Evaluation irritant 3 sodium p-cumenesulphonate 15763-76-5 239-854-6 Species rabbit with reference to CAS 28348-53-0 Method **OECD 404** ECHA Source 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. 5421-46-5 226-540-9 1 ammonium-mercaptoacetate Species rabbit Method **OECD 405** Source **ECHA** low-irritant Evaluation Alcohols, C12-14, ethoxylated, sulfates, sodium 68891-38-3 500-234-8 2 salts Species rabbit Method **OECD 405**

Species rabbit Method OECD 405 Source ECHA Evaluation irritant Respiratory or skin sensitisation No Substance name CAS no. EC no.	ent v	version : 1.0.0, issued: 01.12.2020	Replace	ed version: -, issued: -	Reg
3 Sodium p-cumenesulphonate 15763-76-5 239-854-6 Species rabbit OECD 405 Source ECHA irritant Respiratory or skin sensitisation ECHA irritant No Substance name CAS no. EC no. 1 ammonium-mercaptoacetate 5421-46-5 226-540-9 Route of exposure Skin Species Species Source ECHA sensitizing 2 Alcohols, C12-14, ethoxylated, sulfates, sodium 68891-38-3 500-234-8 salts Source ECHA sensitizing 2 Alcohols, C12-14, ethoxylated, sulfates, sodium 68891-38-3 500-234-8 salts Source ECHA Strin Species guinea pig OECD 406 Source ECHA Strin Sudium p-cumenesulphonate 15763-76-5 239-854-6 Route of exposure Skin OECD 406 Source ECHA ECHA Revaluation non-senstitizing Strins-stri	Sou	rce	ECHA		
3 solum p-cumenesulphonate 15763-76-5 239-854-6 Method OECD 405 Source ECHA Immain imitant Respiratory or skin sensitisation CAS no. No Substance name CAS no. Immonium-mercaptoacetate 5421-46-5 Species mouse OeCD 429 ECHA Source ECHA Evaluation sensitizing 2 Alcohols, C12-14, ethoxylated, sulfates, sodium 68991-38-3 Source ECHA salts Source Skin Species guinea pig OeCD 406 ECHA Source ECHA Evaluation non-sensitizing 3 sodium p-cumenesulphonate 15763-76-5 Source ECHA Species guinea pig With reference to CAS 28345-53-0 OECD 406 ECHA Evaluation non-sensitizing Gerr cell mutagenicity CAS no. EC no. Method OECD 471 Source	Eval	luation	strongly irri	itant	
Method DECD 405 Evaluation ECHA Imritant Environmental environmentation No Substance name CAS no. Evaluation String Route of exposure Skin Species mouse OECD 429 OECD 429 Evaluation Source Evaluation sensitizing 2 Alcohols, C12-14, ethoxylated, sulfates, sodium 66891-38-3 Species guinea pig Source ECHA Evaluation Sensitizing 2 Alcohols, C12-14, ethoxylated, sulfates, sodium 66891-38-3 Species guinea pig Method OECD 406 Evaluation non-sensitizing 3 sodium p-cumenesulphonate 1576-376-5 239-854-6 Route of exposure Skin Species guinea pig With reference to CAS 28348-53-0 OECD 406 CeCD 406 Evaluation non-sensitizing Gerr Cell Austance name Vastance name CAS no. ECHA ECHA Bardon (Cassification criteria are not met. Species Salts Source ECHA Surue	3	sodium p-cumenesulphonate			239-854-6
Source ECHA irritant irritant irritan	Spe	cies	rabbit		
Evaluation irritant Respiratory or skin sensitisation CAS no. EC no. 1 ammonium-mercaptoacetate 542146-5 226-540-9 Route of exposure Skin Species mouse OECD 429 OECD 429 Source ECHA Source ECHA sensitizing Source Source 2 Aicohols, C12-14, ethoxylated, sulfates, sodium 68891-38-3 500-234-8 salts Source Skin Species Species guinea pig OECD 406 Source CCHA CCHA salts Source ECHA Evaluation OECD 406 CCHA Source CCHA Inon-sensitizing 3 sodium p-cumenesulphonate 15763-76-5 239-854-6 Route of exposure Skin Species guinea pig With reference to CAS 23424-53.0 OECD 406 Source ECHA ECHA ECHA Vealuation non-sensitizing Invitro gene mutation study in bacteria Species Saltoneanela typhimurium OECD 471 Source ECHA ECHA Vealuation/classification ECHA ECHA Saltos Source<					
Respiratory or skin sensitisation CAS no. EC no. I ammonium-mercaptoacetate 5421-46-5 226-540-9 Route of exposure Skin Species Bethod OECD 429 Surve Evaluation Sensitizing 200-234-8 asits Source Solume of exposure Skin Species guinea pig Source Surve Valuation Second Stin Source Species guinea pig Source Surve Valuation OECD 406 Source Surve Source ECHA Evaluation Source Source ECHA Source Suinea pig Species guinea pig Surve Surve Source ECHA Non-sensitizing Source Vealuation non-sensitizing Source Source Source Evaluation No Substance name CAS no. EC no. Source Vep of examination Source Source Source Sourc					
No Substance name CAS no. EC no. 1 ammonium-mercaptoacetate 5421-46-5 226-540-9 Species mouse 0ECD 429 Source ECHA sensitizing 2 Alcohols, C12-14, ethoxylated, sulfates, sodium 68891-38-3 500-234-8 saits guinea pig 0ECD 400 ECHA Species guinea pig 0ECD 400 ECHA Source ECHA Second ECHA Svaluation non-sensitizing 3 sodium p-cumenesulphonate 15763-76.5 239-854-6 Route of exposure Skin OECD 400 ECHA Second Second </td <td>Eval</td> <td>luation</td> <td>irritant</td> <td></td> <td></td>	Eval	luation	irritant		
No Substance name CAS no. EC no. 1 ammonium-mercaptoacetate 5421-46-5 226-540-9 Species mouse 0ECD 429 Source ECHA sensitizing 2 Alcohols, C12-14, ethoxylated, sulfates, sodium 68891-38-3 500-234-8 saits guinea pig 0ECD 400 ECHA Species guinea pig 0ECD 400 ECHA Source ECHA Second ECHA Svaluation non-sensitizing 3 sodium p-cumenesulphonate 15763-76.5 239-854-6 Route of exposure Skin OECD 400 ECHA Second Second </td <td>Res</td> <td>piratory or skin sensitisation</td> <td></td> <td></td> <td></td>	Res	piratory or skin sensitisation			
Route of exposure Skin Discrete Species mouse OECD 429 Source ECHA Sensitzing 2 Alcohols, C12-14, ethoxylated, sulfates, sodium 66891-38-3 500-234-8 alts Source ECHA Sensitzing 2 Alcohols, C12-14, ethoxylated, sulfates, sodium 66891-38-3 500-234-8 alts Source Source ECHA Species guinea pig Source ECHA Evaluation non-sensitizing 3 sodium p-cumenesulphonate 18763-76-5 239-854-6 Route of exposure Skin CAS 28348-53-0 OECD 406 Source Evaluation CAS 28348-53-0 OECD 406 Source Source ECHA Evaluation non-sensitizing Method OECD 470 Source Source Source ScC AS Feedes Salmonella typhimurium DECD 471 Source ScC AS Source ScC AS Source ECHA Based on avavilable data, the classification criteria are not met. </td <td></td> <td></td> <td></td> <td>CAS no.</td> <td>EC no.</td>				CAS no.	EC no.
Species mouse OECD 429 ECHA sensitizing 2 Alcohols, C12-14, ethoxylated, sulfates, sodium 68891-38-3 Source ECHA saits 500-234-8 Route of exposure Skin Species guinea pig OECD 406 Evaluation non-sensitizing 3 sodium p-cumenesulphonate 15763-76-5 Route of exposure Skin Species guinea pig CAX 28348-53-0 OECD 406 Evaluation non-sensitizing Species guinea pig Germ cell mutagenicity 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 OECD 471 ECHA Source ECHA Evaluation/classification ECHA Based on available data, the classification criteria are not met. 2 Alcohols, C12-14, ethoxylated, sulfates, sodium 68891-38-3 500-234-8 salts sofium p-cumenesulphonate<	1		-	5421-46-5	226-540-9
Method DECD 429 Source ECHA Source sensitizing 2 Alcohols, C12-14, ethoxylated, sulfates, sodium 68891-38-3 Satis suinea pig Species guinea pig Method OECD 406 Source ECHA Inon-sensitizing non-sensitizing 3 sodium p-cumenesulphonate 15763-76-5 Species guinea pig With reference to CAS 28349-53-0 OECD 406 Source EValuation OECD 406 Source ECHA No Substance name CAS 28349-53-0 OECD 406 Source ECHA Inon-sensitizing Inon-sensitizing Germ cell mutagenicity non-sensitizing No Substance name CAS no. EC no. 1 Immonium-mercaptoacetate 5421-46-5 Species Salitanonella typhimurium OECD 471 ECHA Source ECHA Substance name CAS no. ECHA Saled on available data, the classification criteria are not met. 2 Alcohols, C12-14, ethoxylated, sulfates, sodium 68891-38-3 Source ECHA					
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salts Source ECHA			lfates, sodium		
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	Fval	luation/classification	Based on a	available data, the class	ification criteria are not met.

Product no.: 359999

Current version : 1.0.0, issued: 01.12.2020

Replaced version: -, issued: -

Region: IE

STOT - single exposure No data available STOT - repeated exposure No data available Aspiration hazard No data available

SECTION 12: Ecological information

12.1 Toxicity

Tox	icity to fish (acute)				
	Substance name		CAS no.		EC no.
1	ammonium-mercaptoacetate		5421-46-5		226-540-9
LC5		>		100	mg/l
	ation of exposure			96	h
Spe		Oncorhynch	us mykiss		
Metl	nod	OECD 203	•		
Sou		ECHA			
2	Alcohols, C12-14, ethoxylated, sulfates,	sodium	68891-38-3		500-234-8
	salts	1			
LC5				7,1	mg/l
	ation of exposure			96	h
Spe		Danio rerio			
Met		OECD 203			
Sou	rce	ECHA			
Tox	icity to fish (chronic)				
No c	data available				
Tavi	icity to Dombnic (couto)				
	icity to Daphnia (acute) Substance name		CAS no.		EC no.
1	Alcohols, C12-14, ethoxylated, sulfates,	aadium	68891-38-3		500-234-8
1	salts	soaium	00091-30-3		500-234-0
EC5				7,4	mg/l
	ation of exposure			48	h
Spe		Daphnia mag	nna	10	
Method OECD 202		gna			
Sou		ECHA			
	icity to Daphnia (chronic)				
No c	lata available				
Tox	icity to algae (acute)				
No	Substance name		CAS no.		EC no.
1	Alcohols, C12-14, ethoxylated, sulfates,	sodium	68891-38-3		500-234-8
	salts				
ErC				27,7	mg/l
	ation of exposure			72	h
Spe			us subspicatus		
Metl		OECD 201			
Sou	rce	ECHA			
Τοχί	icity to algae (chronic)				
	Substance name		CAS no.		EC no.
1	Alcohols, C12-14, ethoxylated, sulfates,	sodium	68891-38-3		500-234-8
	salts	oouum	00001-00-0		000-204-0
NOE				0,95	mg/l
	ation of exposure			72	h

Product no.: 359999

Method

Source

irrent	version : 1.0.0, issued: 01.12.2020	Replac	ed version: -, issue	:d: -		Region: IE
Met Sou	ecies hod irce :teria toxicity	Desmodes OECD 201 ECHA	smus subspicatus I			
No	Substance name		CAS no.		EC no.	
1	Alcohols, C12-14, ethoxylated, sul salts	fates, sodium	68891-38-3		500-234-8	
	EC50 Duration of exposure			10000 16	mg/l h	
Species		Pseudomo	Pseudomonas putida			

DIN 38412 T.8

ECHA

12.2 Persistence and degradability

Biodegradability					
Substance name		CAS no.		EC no.	
Alcohols, C12-14, ethoxylated, sulfates, salts	sodium	68891-38-3		500-234-8	
•	DOC decrea	ase			
Value			100	%	
Duration			14	day(s)	
Source					
Evaluation		egradable			
	Substance name Alcohols, C12-14, ethoxylated, sulfates, salts e e tition rce	Substance name Alcohols, C12-14, ethoxylated, sulfates, sodium salts DOC decreate e DOC decreate e Example e Example e Example e Example e Example e Example e ECHA	Substance name CAS no. Alcohols, C12-14, ethoxylated, sulfates, sodium 68891-38-3 salts DOC decrease e DOC decrease e E e E e E e E e E e E	Substance name CAS no. Alcohols, C12-14, ethoxylated, sulfates, sodium 68891-38-3 salts DOC decrease e 100 tition 14 rce ECHA	Substance name CAS no. EC no. Alcohols, C12-14, ethoxylated, sulfates, sodium 68891-38-3 500-234-8 salts DOC decrease 100 % e 100 % 14 day(s) rce ECHA ECHA

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 assessmen	t
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 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.

	Trade name: Reactive Rust Remover Product no.: 359999				
Current	t version : 1.0.0, issued: 01.12.2020	Replaced version: -, issued: -	Region: IE		
		packaging and when emptied completely disposed of in accordance with completely emptied packaging must be disposed of in the form of dispose			
SEC	TION 14: Transport informa	ition			
14.1	Transport ADR/RID/ADN Class Classification code Packing group Hazard identification no. UN number Proper shipping name Technical name Tunnel restriction code Label	8 C9 III 80 UN1760 CORROSIVE LIQUID, N.O.S. ammonium-mercaptoacetate E 8			
14.2	Transport IMDG Class Packing group UN number Proper shipping name Technical name EmS Label	8 III UN1760 CORROSIVE LIQUID, N.O.S. ammonium-mercaptoacetate F-A, S-B 8			
14.3	Transport ICAO-TI / IATA Class Packing group UN number Proper shipping name Technical name Label	8 III UN1760 Corrosive liquid, n.o.s. ammonium-mercaptoacetate 8			
14.4	Other information No data available.				
14.5	Environmental hazards Information on environmental haz	zards, 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				
SEC	TION 15: Regulatory inform	nation			
15.1	Safety, health and environme <u>EU regulations</u>	ental regulations/legislation specific for the substance or mixi	ure		

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

Product no.: 359999

Current version : 1.0.0, issued: 01.12.2020

Replaced version: -, issued: -

Region: IE

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

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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