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Printing date 05.04.2019	Version number 6	Revision: 05.04.2019
SECTION 1: Identification of the	substance/mixture and of the company/undertakin	g
<ul> <li><u>1.1 Product identifier</u></li> <li>Trade name:</li> </ul>	Anti-Slide R9	
Article number:     1.2 Relevant identified uses of	11861, 11862, 11864/11865	
the substance or mixture and uses advised against · Application of the substance / the	No further relevant information available.	
mixture	Discharging agent	
<ul> <li>1.3 Details of the supplier of the Manufacturer/Supplier:</li> </ul>	safety data sheet AKEMI chemisch technische Spezialfabrik GmbH Lechstrasse 28 D 90451 Nürnberg	Tel. +49(0)911-642960 Fax. +49(0)911-644456 e-mail info@akemi.de
<ul> <li>Further information obtainable from:</li> <li>1.4 Emergency telephone</li> </ul>	Laboratory	
number:	Product Safety Department AKEMI chemisch technis Tel. +49(0)911-64296-59 Reachable during the following office hours: Monday – Thursday from 07:30 a.m. to 16:30 p.m. Friday from 07:30 a.m. to 13:30 p.m. +44 (171) 635 91 91 National Poison Inform. Centre Medical Toxicology Unit Avalonley Road London SE14 5ER	che Spezialfabrik GmbH
Classification of the substant Classification according to Regula GHS05 corrosion Skin Corr. 1B H314 Causes seve Eye Dam. 1 H318 Causes serie	tion (EC) No 1272/2008 ere skin burns and eye damage.	
GHS07 Acute Tox. 4 H302 Harmful if sw	rellewod	
· 2.2 Label elements		
Labelling according to Regulation (EC) No 1272/2008     Hazard pictograms	The product is classified and labelled according to the	e CLP regulation.
	GHS05 GHS07	
· Signal word	Danger	
Hazard-determining components of labelling:	ammonium bifluoride Aliphatic alkohols, C13-C15, largely linear, ethoxylate	d
Hazard statements	phosphoric acid H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage.	(Contd. on page 2)
		GB

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Trade name: Anti-Slide R9		
		(Contd. of page 1)
Precautionary statements	P101	If medical advice is needed, have product container or label at hand.
	P102	Keep out of reach of children.
	P103	Read label before use.
	P260	Do not breathe mist/vapours/spray.
	P280	Wear protective gloves/protective clothing/eye protection/face protection.
	P301+P312	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
	P301+P330+P3	31 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
		353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
	P305+P351+P3	338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P405	Store locked up.
	P501	Dispose of contents/container in accordance with local/ regional/national/international regulations.
<ul> <li>2.3 Other hazards</li> </ul>		с С
<ul> <li>Results of PBT and vPvB asses</li> </ul>	ssment	
· PBT:	Not applicable.	
· vPvB:	Not applicable.	

#### **SECTION 3: Composition/information on ingredients**

#### · 3.2 Chemical characterisation: Mixtures

· Description:

Mixture of substances listed below with nonhazardous additions.

- Description.	Mixture of substances listed below with hornazardous additions.	
<ul> <li>Dangerous components:</li> </ul>		
	non-ionic surfactants Eye Dam. 1, H318 Acute Tox. 4, H302	1-5%
CAS: 1341-49-7 EINECS: 215-676-4 Index number: 009-009-00-4 Reg.nr.: 01-2119489180-38-xxxx	ammonium bifluoride Acute Tox. 3, H301 Skin Corr. 1B, H314	<10%
CAS: 112-34-5 EINECS: 203-961-6 Index number: 603-096-00-8 Reg.nr.: 01-2119475104-44-xxxx 02-2119751533-40-0000		1-5%
CAS: 7664-38-2 EINECS: 231-633-2 Index number: 015-011-00-6 Reg.nr.: 01-2119485924-24	phosphoric acid Met. Corr.1, H290; Skin Corr. 1B, H314; Eye Dam. 1, H318 Acute Tox. 4, H302	1-5%
Additional information:	For the wording of the listed hazard phrases refer to section 16.	

#### **SECTION 4: First aid measures**

#### · 4.1 Description of first aid measures

<ul> <li>General information:</li> </ul>	Immediately remove any clothing soiled by the product.
	Symptoms of poisoning may even occur after several hours; therefore medical
	observation for at least 48 hours after the accident.
<ul> <li>After inhalation:</li> </ul>	Supply fresh air.
	In case of unconsciousness place patient stably in side position for transportation.
	(Contd. on page 3)

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Safety data sheet according to 1907/2006/EC, Article 31

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rade name: Anti-Slide R9		
After skin contact:	Immediately wash with water and soap and rinse tho	(Contd. of page 2) roughly.
After eye contact:	Immediately rinse with water. Rinse opened eye for several minutes under runn doctor.	
· After swallowing:	Call for a doctor immediately. Drink plenty of water and provide fresh air. Call for a	doctor immediately.
<ul> <li><u>4.2 Most important symptoms</u> and effects, both acute and</li> </ul>		
• Information for doctor:	No further relevant information available. Inhalation of hydrogen halides (e.g., hydrogen fluorid after symptom free interval fever, cyanosis (blue co membranes due to lack of oxygen saturation of blood Therapy in inhalation of HF: glucokorticoids as inhale Local effects of hydrohalogenous acids (e.g., HF): danger of sight loss, severe pain. Therapy in skin corrosion: immediate rinsing of ski with plenty of water; injection/infusion of 1) Hyaloronidase in Procain (2%), 2) Injection of a 1:1 mixture of Procain (4%) and solution 3)initially parenteral and local application of glucoco local administration. Acute poisoning: corrosive necroses, body pain, shock conditions. In case of poisoning/exposition: immediate hospita with calcium chloride solution (1%), if indicated w carbonate; domestic poisoning: administration of application of calcium gluconate intravenous un parameters. Symptoms in intoxication with acids: In case of oral intake symptoms depend on co incorporated acid, and are corrosive eschar in m severe dysphagia, shock and coma. Therapy meas Administer 20 g Magnesia usta in milk oral; no hydred relief measures; in indication of acidosis infusion of	blouring of skin and mucous d, lung edema. er and intravenous. corrosion, in areas of eyes in and mucous membranes d calcium gluconate (20%) orticoids, followed by oral or nausea,diarrhea, cramps, al admission, gastric rinsing vith suspension of calcium of milk, provoke vomitting; der control of hematology ncentration and acidity of outh and throat, vomitting, sures: drink plenty of water. drogen carbonate oral; pain
<u>4.3 Indication of any immediate</u> <u>medical attention and special</u> treatment needed	solution(5%). No further relevant information available.	
SECTION 5: Firefighting measure · 5.1 Extinguishing media	25	
Suitable extinguishing agents:	CO2, powder or water spray. Fight larger fires w resistant foam.	vith water spray or alcoho
<ul> <li>5.2 Special hazards arising from the substance or mixture</li> <li>5.3 Advice for firefighters</li> </ul>	Formation of toxic gases is possible during heating o	r in case of fire.
Protective equipment:	Do not inhale explosion gases or combustion gases. Mount respiratory protective device.	
SECTION 6: Accidental release n	neasures	
<u>6.1 Personal precautions,</u> protective equipment and emergency procedures	Wear protective equipment. Keep unprotected perso	ns away. (Contd. on page 4



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-		
Trade name:	Anti-Slide R9	
		(Contd. of page 3)
· 6.2 Enviro	onmental precautions:	Do not allow product to reach sewage system or any water course.
		Inform respective authorities in case of seepage into water course or sewage
		system.
		Do not allow to enter sewers/ surface or ground water.
	ods and material for	
<u>containm</u>		Absorb with liquid-binding material (sand, diatomite, acid binders, universal
		binders, sawdust).
		Use neutralising agent.
		Dispose contaminated material as waste according to item 13.
6 4 Pofor		Ensure adequate ventilation. See Section 7 for information on safe handling.
· 0.4 Keleit		See Section 7 for information on personal protection equipment.
		See Section 13 for disposal information.
SECTION	7: Handling and storage	9
74 0	utions for acts	
	utions for safe	Koop recented as tightly cooled
handling		Keep receptacles tightly sealed. Ensure good ventilation/exhaustion at the workplace.
. Informatio	n about fire - and	Ensure good ventilation/exhaustion at the workplace.
		No special measures required.
	<u> </u>	
	tions for safe storage, in	ncluding any incompatibilities
<u>Storage:</u>	anto to be most by	
	ents to be met by	Provide acid-resistant floor.
	is and receptacles: n about storage in one	
		Do not store together with oxidising and acidic materials as well as heavy-metal
		compounds.
Further inf	formation about storage	
conditions		Protect from frost.
		Keep container tightly sealed.
· <u>7.3 Speci</u>	fic end use(s)	No further relevant information available.
SECTION	8: Exposure controls/pe	ersonal protection
<ul> <li>Additional</li> </ul>	information about	
design of t	technical facilities:	No further data; see item 7.
. 8 1 Contro	ol parameters	
		uire monitoring at the workplace:
	2-(2-butoxyethoxy)ethan	
	rt-term value: 101.2 mg/m	
	g-term value: 67.5 mg/m <sup>3</sup> ,	то ррпп
	phosphoric acid	
	ort-term value: 2 mg/m <sup>3</sup>	
Lon	g-term value: 1 mg/m <sup>3</sup>	
· DNELs		
1341-49-7	ammonium bifluoride	
Oral	DNEL (Kurzzeit-akut)	0.015 mg/kg bw/day (BEV)
0.01	DNEL (Langzeit-wiederh	
last of the	, J	
Inhalative	DNEL (Kurzzeit-akut)	3.8 mg/m <sup>3</sup> Air (ARB)
	DNEL (Langzeit-wiederh	olt) 2.3 mg/m³ Air (ARB)
		0.045 mg/m³ Air (BEV)
		(Contd. on page 5)

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Tr	Trade name: Anti-Slide R9			
				(Contd. of page 4)
	112-34-5 2	2-(2-bı	itoxyethoxy)ethanol	
	Oral	DNEL	. (Langzeit-wiederholt)	1.3 mg/kg bw/day (BEV)
	Dermal	DNEL	. (Langzeit-wiederholt)	20 mg/kg bw/day (ARB)
				10 mg/kg bw/day (BEV)
	Inhalative	DNEL	. (Kurzzeit-akut)	14 mg/m³ Air (ARB)
				7.5 mg/m <sup>3</sup> Air (BEV)
		DNEL	. (Langzeit-wiederholt)	67.5 mg/m <sup>3</sup> Air (ARB)
			, <b>,</b>	34 mg/m <sup>3</sup> Air (BEV)
	7664-38-2	phos	phoric acid	
	Dermal	DNEL	. (Langzeit-wiederholt)	0.1 mg/kg bw/day (BEV)
	Inhalative	DNEL	. (Kurzzeit-akut)	2 mg/m³ Air (ARB)
		DNEL	. (Langzeit-wiederholt)	1-10.7 mg/m³ Air (ARB)
				0.36-4.57 mg/m³ Air (BEV)
	· PNECs			·
	1341-49-7	ammo	onium bifluoride	
	PNEC (wä	ssrig)	76 mg/l (KA)	
			1.3 mg/l (SW)	
	PNEC (fes	t)	22 mg/kg Trockengew	(BO)
	112-34-5 2	2-(2-bı	itoxyethoxy)ethanol	
	PNEC (wä	ssrig)	200 mg/l (KA)	
			0.1 mg/l (MW)	
			1 mg/l (SW)	
	PNEC (fes	st)	0.4 mg/kg Trockengew	/ (BO)
			0.4 mg/kg Trockengew	/ (MWS)
			4 mg/kg Trockengew (	SWS)
	<ul> <li>Additional</li> </ul>	inform	ation: The	lists valid during the making were used as basis.
	· 8.2 Expos			
			ive equipment:	
	General protective and hygienic     Do not oot, drink, smake or spiff while working		not eat, drink, smoke or sniff while working.	
				skin protection cream for skin protection.
			Clea	an skin thoroughly immediately after handling the product.
				p away from foodstuffs, beverages and feed.
				nediately remove all soiled and contaminated clothing sh hands before breaks and at the end of work.
				not inhale gases / fumes / aerosols.
	Avo		Avo	id contact with the eyes and skin.
				ase of brief exposure or low pollution use respiratory filter device. In case of
				nsive or longer exposure use self-contained respiratory protective device. ventive skin protection by use of skin-protecting agents is recommended.
				r use of gloves apply skin-cleaning agents and skin cosmetics.
			Skir	protection agent recommendation for preventive skin shelter without use of
	prot			ective gloves:
				DKODERM (http://www.stoko.com) protection agent recommendation for preventive skin shelter in application
				combination of protective gloves:
				DKO EMULSION (http://www.stoko.com)
				protection recommendation for skin cleaning after product handling:
			FRA	APANTOL (http://www.stoko.com) (Contd. on page 6)
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	(Contd. of page 5) Skin protection agent recommendation for skin aftercare:
	Protective gloves
	The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation The protection gloves to be used have to comply with the specifications of the directive 89/686/EC and the directive derived
	decree EN374, respectively, e.g. the above listed protection glove type. The mentioned permeation times' data were generated and verified with material samples of the recommended protection glove type in the scope of laboratory anylyses of the company KCL GmbH in
	compliance with EN374. This recommendation refers exclusively to the material safety data sheet referenced product delivered by Akemi and the indicated field of application. In case of product dilution or in case of mixture with different substances or chemicals, and in condition of EN374 deviation the producer of CE-approved protection gloves must be contacted for detailed information (e.g., KCL GmbH, Germany, 36124 Eichenzell, internet: http://www.kcl.de).
<ul> <li>Material of gloves</li> </ul>	Nitrile rubber, NBR Fluorocarbon rubber (Viton) Butyl rubber, BR The solution of the suitable gloves does not only depend on the material, but
	The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
<ul> <li>Penetration time of glove material</li> </ul>	Value for the permeation: Level $\leq$ 6, 480 min The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
<ul> <li>For the permanent contact gloves made of the following materials are</li> </ul>	
suitable:	Nitrile rubber, NBR
	Camatril (KCL, Art_No. 730, 731, 732, 733) Fluorocarbon rubber (Viton)
	Vitoject (KCL, Art_No. 890)
	Butyl rubber, BR Butoject (KCL, Art_No. 897, 898)
<ul> <li>As protection from splashes gloves</li> </ul>	
made of the following materials are	
suitable:	Nitrile rubber, NBR Camatril (KCL, 730, 731, 732, 733)
	Chloroprene rubber, CR Camapren (KCL, Art_No. 720, 722, 726)
<ul> <li>Not suitable are gloves made of</li> </ul>	
the following materials:	Natural rubber, NR Leather gloves
	Strong material gloves
Eye protection:	
	Tightly sealed goggles

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Body protection:	Protective work clothing	(Contd. of page
SECTION 9: Physical and chemic	al properties	
9.1 Information on basic physical	and chemical properties	
General Information Appearance:		
Form:	Fluid	
Colour:	Colourless	
Odour:	Characteristic	
pH-value at 20 °C:	2	
Change in condition		
Melting point/freezing point:	Undetermined.	
Initial boiling point and boiling ran		
Flash point:	Not applicable.	
Ignition temperature:	225 °C	
Auto-ignition temperature:	Product is not selfigniting.	
Explosive properties:	Product does not present an explosion hazard.	
Vapour pressure at 20 °C:	23 hPa	
Density at 20 °C:	1.04 g/cm <sup>3</sup>	
Solubility in / Miscibility with water:	Not miscible or difficult to mix.	
Viscosity:		
Dynamic:	Not determined.	
Kinematic at 20 °C:	11 s (DIN 53211/4)	
Solvent content:		
Organic solvents:	5.0 %	
Water: 9.2 Other information SECTION 10: Stability and reactiv	83.4 % No further relevant information available.	
-	•	
10.1 Reactivity	No further relevant information available.	
<b>10.2 Chemical stability</b> Thermal decomposition /		
conditions to be avoided:	No decomposition if used according to specifications.	
10.3 Possibility of hazardous		
reactions	Reacts with alkali and metals.	
	Reacts with strong oxidising agents. Reacts with metals forming hydrogen.	
10.4 Conditions to avoid	No further relevant information available.	
10.5 Incompatible materials:	No further relevant information available.	
10.6 Hazardous decomposition		
products:	Phosphorus oxides (e.g. P2O5)	
	Irritant gases/vapours	

· 11.1 Information on toxicological effects

 Acute toxicity Harmful if swallowed.

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Trade name: Anti-Slide R9				
			(Contd. of page 7)	
· LD/LC50 v	alues relev	vant for classification:	(contai of page 1)	
		Estimates)		
•	LD50	1,804 mg/kg		
1241-40-7	ammoniu	m bifluoride		
	LD50	130 mg/kg (rat)		
Inhalative		342 mg/l (mouse)		
innalative	2000/111	1,276 mg/l (rat)		
112-34-5 2	-(2-butox)	/ethoxy)ethanol		
	LD50	5,660 mg/kg (rat)		
	LD50	4,120 mg/kg (rbt)		
		C13-C15, largely linear, ethoxylated		
-	LD50	>2,000 mg/kg (Rat)		
	LC50/48h	1 mg/l (Oncorhynchus mykiss)		
7664-38-2				
	LD50	1,250 mg/kg (rat)		
	NOAEL	≥410 mg/kg (rat)		
Dermal	LD50	2,740 mg/kg (rabbit)		
Inhalative	LC50	850 mg/l (rat)		
	LC50/1h 1.69 mg/l (rat)			
Primary irri				
Skin corros				
<ul> <li>Serious ey</li> <li>Respirator</li> </ul>				
		genity, mutagenicity and toxicity for reproduction)		
Germ cell ı				
	<u>Carcinogenicity</u> Based on available data, the classification criteria are not met.     Based on available data, the classification criteria are not met.			
	Reproductive toxicity     Based on available data, the classification criteria are not met.     Based on available data, the classification criteria are not met.			
· STOT-repe	eated expo			
<ul> <li>Aspiration</li> </ul>	Aspiration hazard     Based on available data, the classification criteria are not met.			
SECTION · <u>12.1 Toxic</u> · Aquatic tox	ity	gical information		
1341-49-7 ammonium bifluoride				
EC50	2,394 m	2,394 mg/l (BES)		
LC100/96h	n 562 mg/	562 mg/l (Brachydanio rerio)		
LC0/96h	237 mg/	237 mg/l (Brachydanio rerio)		
EC10				
112-34-5 2-(2-butoxyethoxy)ethanol				
EC50/24h		2,850 mg/l (daphnia magna) (DIN 38412)		
EC50/96h		>100 mg/l (Desmodesmus subspicatus)		
		g/l (Scenedesmus subspicatus)		
EC10/16h		ng/l (pseudomonas putida)		
EC5	-	(Entosiphon sulcatum)		
EC50/48h		g/l (daphnia magna)		
NOEC	>100 m	g/kg (Desmodesmus subspicatus)		
			(Contd. on page 9)	

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		(Contd. of page 8)			
EC10	>1,995 mg/l (Klärsch	lamm: Atmungs-/Vermehrungshemmung)			
EC50/72h	>100 mg/l (Desmodesmus subspicatus)				
LC50/96h	1,300 mg/l (lepomis i	macrochirus)			
	>100 mg/l (Leuciscus	,			
	1,150 mg/l (poecilia r	,			
Aliphatic al	•	gely linear, ethoxylated			
EC10	>1,000 mg/l (BES)				
EC50/48h	1-10 mg/l (daphnia m	nagna)			
EC50/72h	1-10 mg/l (Scenedes				
7664-38-2 p	7664-38-2 phosphoric acid				
EC50	270 mg/l (BES)				
	270 mg/l (bacteria)				
EC50/48h	>100 mg/l (daphnia r	nagna)			
NOELR/72h	100 mg/l (Desmodes	- ,			
EC50/72h	>100 mg/l (Desmode	esmus subspicatus)			
LC50/96h	- ·	138 mg/l (Gambusia affinis)			
	98-106 mg/l (lem)				
	3-3.25 mg/l (lepomis	macrochirus)			
· 12.2 Persist	<b>e</b>	· · · ·			
degradabili		No further relevant information available.			
	umulative potential	No further relevant information available.			
· <u>12.4 Mobilit</u>	cological information:	No further relevant information available.			
General note		Must not reach sewage water or drainage ditch undiluted or unneutralised.			
		Do not allow undiluted product or large quantities of it to reach ground water,			
		water course or sewage system.			
		Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water			
· 12.5 Results	· 12.5 Results of PBT and vPvB assessment				
· PBT:		Not applicable.			
$\cdot \underline{vPvB}$		Not applicable.			
• <u>12.6 Other</u> a	adverse effects	No further relevant information available.			
SECTION 13: Disposal considerations					
13.1 Waste treatment methods					
<ul> <li>Recommend</li> </ul>	lation	Must not be disposed together with household garbage. Do not allow product to reach sewage system.			
• European w	· European waste catalogue				
	<u>v</u>	WISE SPECIFIED IN THE LIST			
		destined for off-site treatment			
		containing hazardous substances			
Uncleaned p		Empty contaminated pockagings therewalky. They may be recycled after			
· <u>Recommenc</u>		Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.			
	(Contd. on page 10)				

(Contd. on page 10) - GB -



### Safety data sheet

according to 1907/2006/EC, Article

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<u>Transport category</u>
 <u>Tunnel restriction code</u>

• Limited quantities (LQ)

• Excepted quantities (EQ)

· IMDG

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Trade name: Anti-Slide R9		
		(Contd. of page 9)
SECTION 14: Transport information		
· <u>14.1 UN-Number</u> · <u>ADR, IMDG, IATA</u>	UN3265	
<ul> <li>• 14.2 UN proper shipping name</li> <li>• ADR</li> </ul>	3265 CORROSIVE LIQUID, A	
· <u>IMDG, IATA</u>	(AMMONIUM HYDROGENDIFLUC CORROSIVE LIQUID, ACIDIC, OI HYDROGENDIFLUORIDE)	
· 14.3 Transport hazard class(es)		
· <u>ADR</u>		
· <u>Class</u> · Label	8 (C3) Corrosive substances. 8	
· IMDG, IATA		
· <u>Class</u> · <u>Label</u>	8 Corrosive substances. 8	
· <u>14.4 Packing group</u> · ADR, IMDG, IATA	II	
• 14.5 Environmental hazards:     • Marine pollutant:	No	
• 14.6 Special precautions for user	Warning: Corrosive substances.	
Danger code (Kemler):     EMS Number:	80 F-A,S-B	
· Segregation groups	Acids	
Stowage Category     Stowage Code	B SW2 Clear of living quarters.	
• 14.7 Transport in bulk according to Ann	ex II of	
Marpol and the IBC Code	Not applicable.	
• <u>Transport/Additional information:</u> • ADR		
Limited quantities (LQ)	1L	
· Excepted quantities (EQ)	Code: E2	
	Maximum net quantity per inner pa Maximum net quantity per outer pa	
Transport optogory	$\gamma$	

2 Е

1L

Code: E2

Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml Safety data sheet

according to 1907/2006/EC, Article 31

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### Trade name: Anti-Slide R9

UN "Model Regulation":

UN 3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (AMMONIUM HYDROGENDIFLUORIDE), 8, II

#### **SECTION 15: Regulatory information**

#### · 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Named dangerous substances - <u>ANNEX I</u> REGULATION (EC) No 1907/2006 <u>ANNEX XVII</u>	None of the ingredients is listed. Conditions of restriction: 3, 55, 65
National regulations:	
Information about limitation of use:	Employment restrictions concerning juveniles must be observed. Employment restrictions concerning pregnant and lactating women must be observed.
Waterhazard class: <u>VOC EU</u> 15.2 Chemical safety	Water hazard class 1 (Self-assessment): slightly hazardous for water. 51.8 g/l
assessment:	A Chemical Safety Assessment has not been carried out.

#### **SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

<u>Relevant phrases</u> <u>Recommended restriction of use</u>	<ul> <li>H290 May be corrosive to metals.</li> <li>H301 Toxic if swallowed.</li> <li>H302 Harmful if swallowed.</li> <li>H314 Causes severe skin burns and eye damage.</li> <li>H318 Causes serious eye damage.</li> <li>H319 Causes serious eye irritation.</li> <li>refer to Technical Data Sheet (TDS)</li> </ul>
<ul> <li>Department issuing SDS:</li> <li>Contact:</li> <li>Abbreviations and acronyms:</li> </ul>	Laboratory Dieter Zimmermann RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) ICAO: International Civil Aviation Organisation ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) DNEL: Derived No-Effect Level (REACH) PNEC: Predicted No-Effect Concentration (REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Met. Corr. 1: Corrosive to metals – Category 1 Acute Tox. 3: Acute toxicity – Category 4 Skin Corr. 1B: Skin corrosion/irritation – Category 1 Eye Dam. 1: Serious eye damage/eye irritation – Category 2
<u>* Data compared to the previous</u> version altered.	Adaptation in accordance with REACH directive 1907/2006/EC

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