	ety Data She		07/2006 (REACH)	(EN / D
	ion date :	Lithofin P 30.01.2019	&L Care Cleaner Version (Revision) :	4.0.4 (4.0.3)
	date :	13.02.2019		1.0.1 (1.0.3)
SEC	TION 1: Identific	ation of the sub	ostance/mixture and of the company/ un	dertaking
1	Product identifie			
2	Relevant identi	fied uses	substance or mixture and uses advised a	gainst
.3	-	d cleaning products, a	queous solution er/only representative/downstream use	r/dictributor
	Distributor :	acturer / import	Casdron Enterprises Ltd.	
	Street :		Wood End, Prospect Road	
			GB- New Alresford, Hants SO 24 9QF	
	Postal code/city :		+44 1962 732126	
	Telephone : Telefax :		+44 1962 735373	
			Technical Department	
	Contact :		E-mail: sales@lithofin.co.uk	
			Emergency telephone number: 0196 2732126	
			(Only available during office hours)	
	Supplier :		Lithofin AG	
	Street :		Heinrich-Otto-Str. 36	
	Postal code/city :		73240 Wendlingen	
	Telephone :		+49 (0)7024 9403-0	
	Telefax :		+49 (0)7024 9403-40	
	Contact :		Technical Department E-mail: info@lithofin.de	
			Emergency telephone number: +49 (0)7024 9403-0	
			(Only available during office hours)	
4	Emergency telep see section 1.3	ohone number		
SEC	TION 2: Hazards	identification		
2.1		ccording to Reg	br mixture Julation (EC) No 1272/2008 [CLP] eye irritation : Category 2 ; Causes serious eye irritation.	
	Additional infor	mation	ording to regulation (EC) No 1272/2008 [CLP].	
	Remark			
		UH-phrases: see section	on 16.	
2.2	Label elements Labelling accord	ding to Regulat	ion (EC) No. 1272/2008 [CLP]	
	Hazard pictogram			
	<!-- -->			
	$\mathbf{\vee}$			
			Page : 1 / 11	
				(EN / D

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ritation.
children.
face protection.
sts: Get medical advice/attention.
utiously with water for several minutes. Remove contact lenses, if preseninue rinsing.
container in accordance with local and national regulations.
ii

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients

Poly(oxy-1,2-ethanediyl).alpha.-tridecyl-.omega.-hydoxy-, branched ; REACH registration No. : 01-2119976362-32-xxxx ; EC No. : 500-241-6; CAS No. : 69011-36-5

≥ 1 - < 5 % Weight fraction : Eye Dam. 1 ; H318 Acute Tox. 4 ; H302 Classification 1272/2008 [CLP] : Alcohols, C12-15, branched and linear, ethoxylated and propoxylated ; EC No.: 639-733-1; CAS No.: 120313-48-6 Weight fraction : ≥ 1 - < 2,5 % Eye Dam. 1; H318 Skin Irrit. 2; H315 Aquatic Acute 1; H400 Aquatic Chronic 3; Classification 1272/2008 [CLP] : H412 Poly(oxy-1,2-ethanediyl), .alpha.-isotridecyl-.omega. -hydroxy ; REACH registration No. : 01-2119976362-32-xxxx ; EC No. : 500-241-6; CAS No. : 69011-36-5 Weight fraction : $\geq 1 - < 5 \%$ Classification 1272/2008 [CLP] : Eye Dam. 1; H318 Aquatic Chronic 3; H412

Additional information

All ingredients of this mixture are (pre)registered according to REACH regulation. Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

When in doubt or if symptoms are observed, get medical advice. Never give anything by mouth to an unconscious person or a person with cramps. If unconscious place in recovery position and seek medical advice.

Following inhalation

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. In case of respiratory tract irritation, consult a physician.

In case of skin contact

After contact with skin, wash immediately with plenty of water and soap. Immediately remove any contaminated clothing, shoes or stockings. Do not wash with: Cleaning agent, acidic Cleaning agent, alkaline Solvents/Thinner

After eye contact

	Safety Data Sheet				
acc	ording to Regulat	ion (EC) No. 1907/2006 (REACH)			
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		th eyes flush immediately with plenty of flowing water for 10 to 1 almologist. Protect uninjured eye.	5 minutes holding eyelids apar		
	Call a physician imm person is conscious)	ediately. Keep at rest. If accidentally swallowed rinse the mouth w and obtain immediate medical attention. Do NOT induce vomiting of the first aider			
	-	tion to self-protection!			
.2	-	symptoms and effects, both acute and delayed			
1.3	No information availal	ie. • immediate medical attention and special trea	tmont noodod		
	Notes for the docto	-	tillent neeueu		
	Treat symptomatical	у.			
	Special treatment	ation, treatment of symptoms.			
	FIRST AID, DECONTAININ	ation, treatment of symptoms.			
SEC	TION 5: Firefight	ing measures			
5.1	Extinguishing m	dia			
). L	Suitable exting Water spray ABC-po	uishing media			
	.,	nguishing media			
	Full water jet Strong				
5.2	Special hazards	arising from the substance or mixture			
	Hazardous com Carbon monoxide Ca	bustion products rbon dioxide (CO2)			
5.3	Advice for firefig				
	Use suitable breathing				
_	Wear a self-containe	ve equipment for firefighters d breathing apparatus and chemical protective clothing.			
5.4	Additional inform		w run-off from fire-fighting to		
	enter drains or water	protect personnel and to cool endangered containers. Do not allo courses. Do not inhale explosion and combustion gases. The prod neasures to the fire surroundings.			
SEC	TION 6: Accident	al release measures			
6.1	-	tions, protective equipment and emergency protection equipment (refer to section 8). Provide adequate ventilation.			
5.2	Environmental p		······································		
	•	nto soil/subsoil. Do not allow to enter into surface water or drains	5.		
5.3	Methods and ma	terial for containment and cleaning up			
	Clean contaminated	taking up: Universal binder articles and floor according to the environmental legislation. Retai se of waste according to applicable legislation.	n contaminated washing wate		
6.4	Reference to oth				
	Safe handling: see see Personal protection ec Disposal: see section	uipment: see section 8			

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	ade name :	Lithofin P&L C	are Cleaner			
	sion date : date :	30.01.2019 13.02.2019	Version (Revision) :	4.0.4 (4.0.3)		
7.1	Precautions for s	safe handling at, drink, smoke, sniff.				
	Protective mea					
	not useable after fre equipment (refer to gas/fumes/vapour/s the entire working a	eezing. Inhalation of vapours or section 8). Always close contai pray. Use only in well-ventilate rea must be ventilated by tech e priority over personal protecti	spray/mists Skin contact Eye contact Wear person ners tightly after the removal of product. Do not d areas. If local exhaust ventilation is not possible nical means. Technical measures and the application on equipment.	breathe e or not sufficient,		
	The product is not:	: Flammable Usual measures fo	r fire prevention.			
	Fire class :	-				
	Shake well befor	re use nein				
	Advices on gen	eral occupational hygi	ene			
	P362+P364 - Take c	off contaminated clothing and v	ash it before reuse.			
7.2	Conditions for safe storage, including any incompatibilities					
	Keep container tight	for storage rooms and Ily closed. Keep/Store only in or dequate ventilation of the stora	iginal container. The floor should be leak tight, jo	pintless and not		
	Hints on joint s					
	Storage class (TR	-				
	Protect from frost					
		orage temperature 5 - 25	°C			
	Further informa	ation on storage condi	tions			
	Keep locked up and Protect against :	out of reach of children. Keep Frost	container tightly closed in a cool, well-ventilated	place.		
7.3	Specific end use(s)					
	Recommendation					
	Observe technical da	ata sheet. Observe instructions	for use.			
SEC	TION 8: Exposure	e controls/personal p	otection			
8.1	Control paramet	ters				
8.2	Exposure contro	ols				
	•	gineering controls				
	Ensure adequate ver	ntilation of the storage area.	work processes have priority over personal prote	ction equipment.		
	Personal protect	ction equipment				
	Eye/face prote	ection				
	Usually no persona Spray application.	Il eye/face protection necessary	. Eye/face protection necessary at: Splashes, Con	ntact with eyes,		
	Suitable eye prot Eye glasses with s	tection side protection goggles				

Eye glasses with side protection goggles

Required properties DIN EN 166

Skin protection

Usually no personal skin protection necessary. Skin protection necessary at: Splashes, Contact with skin, Spray application.

Hand protection

Suitable gloves type : Gloves with long cuffs

Suitable material : NBR (Nitrile rubber), 0,4mm, >8h; Butyl caoutchouc, 0,5mm, >8h; FKM (fluoro rubber), 0,7mm, >8h;

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Revision date i			

Recommended glove articles : Manufacturer KCL GmbH/Eichenzell-Germany; Ansell/Yarra City-Australia Or comparable articles from other companies.

Additional hand protection measures : Check leak tightness/impermeability prior to use.

Remark : Breakthrough times and swelling properties of the material must be taken into consideration. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Barrier creams are not substitutes for body protection.

Body protection

Protective clothing

Suitable protective clothing : Chemical protection clothing Chemical resistant safety shoes

Required properties : alkali-resistant.

Protective clothing. : DIN EN ISO 20345 DIN EN 13034 DIN EN 14605 footwear : DIN EN 14404

Remark : Barrier creams are not substitutes for body protection.

Respiratory protection

Usually no personal respirative protection necessary. Respiratory protection necessary at: insufficient ventilation aerosol or mist formation. high concentrations spray application

Suitable respiratory protection apparatus

Combination filtering device (EN 14387) Half-face mask (DIN EN 140) ABEK-P1

Remark

Use only respiratory protection equipment with CE-symbol including four digit test number. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190).

General health and safety measures

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500. When using do not eat, drink, smoke, sniff. Keep away from food, drink and animal feeding stuffs. Avoid contact with skin, eyes and clothes. Remove contaminated, saturated clothing immediately. Wash contaminated clothing prior to reuse. Wash hands before breaks and after work. Apply skin care products after work. Do not breathe gas/fumes/vapour/spray.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : Colour : Odour :	Liquid light yellow perfumed					
Safety relevan	t basis dat	ta				
Melting point/melt		(1013 hPa)	approx.	0	°C	
Initial boiling point range :	t and boiling	(1013 hPa)	approx.	100	°C	
Decomposition tem	perature :	(1013 hPa)		not determined		
Flash point :				not applicable		closed cup (EN ISO 3679)
Ignition temperatu	ire :			not determined		
Sustaining combus	tion			No		UN Test L2:Sustained combustibility test
Lower explosion lin Upper explosion lin				not determined not determined		
Vapour pressure :	inc i	(50 °C)	<	3000	hPa	
Density :		(20 °C)		1,01	g/cm ³	Pyknometer (DIN EN ISO 2811-1)
Solvent separation	test :	(20 °C)	<	3	%	Test L1: Solvent separation test (UN)
Water solubility		(20 °C)		miscible		
pH :			approx.	8		DIN 19268
log P O/W :				not determined		(Mixture)
Flow time :		(23 ℃)	approx.	14	S	ISO cup 4 mm (DIN EN ISO 2431)

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	Odour threshold :			not determined			
	Vapourisation rate : VOC content-EC		approv	not determined 0,2 Wt %	*		
	VOC-France		approx.	not applicable	Décret no 2011-321 de 23 mars 2011		
		e organic compound (VO easured at a standard pro			itial boiling point less thar		
9.2	Other informatio		COSULE OF TOT'D VLG				
	None	/11					
SECT	TION 10: Stability	y and reactivity					
10.3 10.4 (10.5]	Possibility of haz No hazardous reaction Conditions to ave Stable under recomme Incompatible ma The product develops Hazardous decom Does not decompose of	ally stable under recommended and store oid ended storage and handle and store oid ended storage and handle aterials hydrogen in an aqueous mposition product when used for intended under the store of	ed according to provis ing conditions. solution in contact w ts uses.		ture.		
SECT	TION 11: Toxicol	ogical information	n				
11.1	Information on t	oxicological effect	cts				
	Acute effects						
		• •	on/mixture itself. Data	apply to the main compo	nent.		
	Acute oral toxicity						
	Parameter :	LD50 (P : 69011-).alphatridecylomegahy	doxy-, branched ; CAS No		
	Exposure route :	Oral					
	Species :	Rat					
	Effective dose :	> 500 -	2000 mg/kg				
	Method :	OECD 42	23				
	Parameter :	LD50 (P 69011-3), .alphaisotridecylomega	ahydroxy ; CAS No. :		
	Exposure route :	Oral					

Parameter :	LD50 (Poly(oxy-1,2-ethanediyl).alphatridecylomegahydoxy-, branched ; CAS No. : 69011-36-5)
Exposure route :	Oral
Species :	Rat
Effective dose :	> 500 - 2000 mg/kg
Method :	OECD 423
Parameter :	LD50 (Poly(oxy-1,2-ethanediyl), .alphaisotridecylomega. -hydroxy ; CAS No. : 69011-36-5)
Exposure route :	Oral
Species :	Rat
Effective dose :	> 2000 mg/kg
Parameter :	LD50 (Alcohols, C12-15, branched and linear, ethoxylated and propoxylated ; CAS No. : 120313-48-6)
Exposure route :	Oral
Species :	Rat
Effective dose :	> 2000 mg/kg
Acute dermal toxicity	
Parameter :	LD50 (Poly(oxy-1,2-ethanediyl).alphatridecylomegahydoxy-, branched ; CAS No. : 69011-36-5)
Exposure route :	Dermal
Species :	Rat
Effective dose :	> 2000 mg/kg

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Method :	OECD 402	
Parameter :	LD50 (Poly(oxy-1,2-ethanediyl), .alphaisotric 69011-36-5)	decylomegahydroxy ; CAS No. :
Exposure route : Species :	Dermal Rabbit	
Effective dose : Parameter :	> 2000 mg/kg LD50 (Alcohols, C12-15, branched and linear, No. : 120313-48-6)	ethoxylated and propoxylated ; CAS
Exposure route : Species :	Dermal Rat	
Effective dose : Specific sympto	> 2000 mg/kg ms in animal studies	
	ailable on the preparation/mixture itself.	
Irritant and cor Assessment/class		
Causes serious eye	irritation.	
Sensitisation		
There are no data av	ailable on the preparation/mixture itself.	
•	toxicity (subacute, subchronic, chronic) ailable on the preparation/mixture itself.	
CMR effects (ca	rcinogenicity, mutagenicity and toxicity fo	r reproduction)
Carcinogenicity	vailable on the preparation/mixture itself.	. ,
	Iman carcinogenicity.	
	iicity vailable on the preparation/mixture itself. Iman germ cell mutagenicity exist.	
Reproductive toxi	ity	
Other informatio		
Overall Assessme	iuman reproductive toxicity exist. I t on CMR properties) estaces 14 cr 10 seconding to CLD
STOT-single ex	his mixture do not meet the criteria for classification as CMR	category IA or IB according to CLP.
See SECTION 2.1 (cl		
STOT-repeated		
See SECTION 2.1 (cl	•	
Aspiration haza	rd	
See SECTION 2.1 (cl	assification).	
SECTION 12: Ecologi	cal information	
2.1 Toxicity		
-	n component. There are no data available on the preparation	n/mixture itself.
Aquatic toxicity Acute (short-term		
Parameter :	EC50 (Poly(oxy-1,2-ethanediyl).alphatridecy : 69011-36-5)	Iomegahydoxy-, branched ; CAS No
Species :	Daphnia	
Effective dose :	> 1 - 10 mg/l	
Exposure time :	48 h	

(EN/D) Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) Lithofin P&L Care Cleaner Trade name : Revision date : 30 01 2019 Version (Revision) : 4.0.4 (4.0.3) Print date : 13.02.2019 Species : Daphnia Effective dose : > 1 - 10 mg/lExposure time : 48 h Method : **OECD 202** Parameter : EC50 (Alcohols, C12-15, branched and linear, ethoxylated and propoxylated ; CAS No.: 120313-48-6) Species : Daphnia Effective dose : > 1 - 10 mg/l Exposure time : 48 h Effects in sewage plants Observe local regulations concerning effluent treatment. Before discharge into sewage plants the product normally needs to be neutralised. 12.2 Persistence and degradability There are no data available on the preparation/mixture itself. **Biodegradation** The surfactant contained in this mixture complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer. 12.3 Bioaccumulative potential There are no data available on the preparation/mixture itself. 12.4 Mobility in soil There are no data available on the preparation/mixture itself. 12.5 Results of PBT and vPvB assessment The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII. 12.6 Other adverse effects There are no data available on the preparation/mixture itself. 12.7 Additional ecotoxicological information Additional information The product has not been tested. **SECTION 13: Disposal considerations** 13.1 Waste treatment methods Dispose according to legislation. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste. Product/Packaging disposal Waste codes/waste designations according to EWC/AVV Waste code product Waste code (EWC/AVV): 07 06 08* Waste code packaging Waste code packaging: 15 01 10* Waste treatment options 29/35 - Do not empty into drains; dispose of this material and its container in a safe way. Delivery to an approved waste disposal company. Appropriate disposal / Package Contaminated packages must be completely emptied and can be re-used following proper cleaning. Packing which cannot be properly cleaned must be disposed of. 13.2 Additional information These codes are assigned based upon the most common uses for this material and may not reflect contaminants

These codes are assigned based upon the most common uses for this material and may not reflect contaminants resulting from actual use.

SECTION 14: Transport information

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	Lithofin P&L Car		
	LILITOTIN P&L CAI 30.01.2019	Version (Revision) :	404(403)
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4.1 UN number			
No dangerous good in	n sense of these transport regulatio	ns.	
4.2 UN proper shipp	ing name n sense of these transport regulatio	nc	
4.3 Transport hazar		ns.	
•	sense of these transport regulatio	ns.	
4.4 Packing group			
	sense of these transport regulatio	ns.	
4.5 Environmental h			
4.6 Special precaution	n sense of these transport regulatio	ns.	
None			
	k according to Annex II o	of Marpol and the IBC Code	
not required.	-	-	
ECTION 15: Regulat	tory information		
3.1 -	nd environmental regulat	tions/legislation specific for the	substance o
EU legislation			
	lo 1907/2006 concerning the Regis	tration, Evaluation, Authorisation and Restric	tion of Chemicals
(REACH)			
	C of the European Parliament and c	Iling and packaging of substances and mixtu of the Council on waste (2000/532/EC)	res (cip)
•	d/or restrictions on use		
Restrictions on u			
	-	None, if handled according to order.	
Restrictions of or Observe restriction	-	rding to the 'juvenile work protection guidelir	ne' (94/33/EC).
		y Protection Directive (92/85/EEC) for expect	
Other regulations	• •		
	 648/2004 (Detergents regulation) of 7 April 1998 on the protection o 	f the health and safety of workers from the r	isks related to
chemical agents at	work. (Directive 2000/39/EC, Directive 200/39/EC, Dire	tive 2006/15/EC, Directive 2009/161/EC)	
	s chemicals [PIC-Regulation]	PARLIAMENT AND OF THE COUNCIL concern	ing the export and
REGULATION (EU)	No 98/2013 on the marketing and	use of explosives precursors: Not applicable.	
Regulation (EC) I Not applicable.	No. 1005/2009 on substances	that lead to the depletion of the ozone I	ayer
	wing substances that deplete the o	zone layer: -	
	No 850/2004 [POP-Regulation]	
Not applicable. Name of the persi	stent organic pollutant (POP): -		
National regulation			
	any national regulations!		
Germany: TRGS 400 (Risk asse	essment for activities involving haza	irdous substances)	
TRGS 500 (Protective	e measures)		
	of hazardous substances in non-sta instruction and information for wor		
Water hazard clas	s (WGK)		
	nt hazardous to water) Classificati , restrictions and prohibition re	-	
	, וכסנווכנוטווס מווע ערטווטונוטח רפ	guiations	
	Deres	0 / 11	
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according to Regulation (EC) No. 1907/2006 (REACH)					
Trade name :	Lithofin P&L Care Cl	eaner			
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rint date :	3.02.2019				
Switzerland VOCV-Regulation					
5.2 Chemical safety as		-			
	e a chemical safety assessment has not	been carried out.			
ECTION 16: Other info	ormation				
6.1 Indication of chan	ges				
07. Hints on joint storage	e - Storage class				
6.2 Abbreviations and	acronyms				
ABC-Pulver	Extinguishing powder for fire class A, I	3 and C			
ABEK-P1	combination filter				
ADR	European Agreement concerning the I	nternational Carriage of Dangerous	Goods by Road		
AVV	Abfallverzeichnis-Verordnung (Waste F		-		
AWSV	Ordinance on facilities for the handling				
BGR	BG rules and regulations				
ca.	circa				
CAS	Chemical Abstract Service				
CLP	classification, labelling and packaging				
CMR	Carcinogen, mutagen or toxic for repro	oduction			
DIN	German Institute for Standardization				
DNEL	Derived No-Effect Level				
	European Waste Catalogue				
EC50 / CE50	Effective Concentration 50%				
EG / EC / CE	European Community				
EN	European Standard				
EUH	supplemental hazard statement of the	european union			
GefStoffV	Gefahrstoffverordnung (Hazardous Sul				
GHS / SGH	Globally Harmonised System	ostances ordinance)			
H-Sätze	hazard statements				
IATA-DGR	International Air Transport Association	-Dangerous Goods Regulations			
	International Code for the Construction		angerous		
IBC-Code	Chemicals in Bulk	· ···· - ····· · · ······ · · ····· · · ····· ·			
ICAO-TI	International Civil Aviation Organizatio	n-Technical Instructions			
IMDG-Code	International Maritime Dangerous Goo	ds Code			
ISO	International Organization for Standar	dization			
LC50 / CL50	Lethal Concentration 50%				
LD50 / DL50	Lethal Dose 50%				
log P O/W	Partition coefficient n-octanol/water				
MARPOL	International Convention for the Preve	ntion of Pollution from Ships (marine	e pollution)		
NOAEL (DSET)	No observed adverse effect level				
NOEC (CSEO)	No observed effect concentration				
Nr.	Number				
OECD	Organisation for Economic Co-operation	n and Development			
PBT	persistent, bioaccumulative and toxic				
рH	Potentia hydrogenii				
PIC	prior informed consent				

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POP	Persistent organic pollutants	
P-Sätze	precautionary statements	
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals	
RID	International Carriage of Dangerous Goods by Rail	
STEL / LECT	short-term exposure limit	
TRGS	Technische Regeln für Gefahrstoffe (Technical Rules for Hazardous Substances)
TWA / MPT	time-weighted average	
UN/ONU	United Nations	
VOC/COV/VOS/LZO	Volatile Organic Compound	
VOCV	Ordinance on the Incentive Tax on Volatile Organic Compounds (SR 814.018)	
vPvB	very persistent and very bioaccumulative	
WGK	Wassergefährdungsklasse (Water hazard class)	
Regulation (EC) No 12 ECHA: Registered sub REACH Art. 59: -Cand	stances (https://echa.europa.eu/information-on-chemicals/registered-substances) lidate List of substances of very high concern for Authorisation	
	Iropa.eu/candidate-list-table) r mixtures and used evaluation method according to regula	tion (EC)
Hazard statements for Hazard statements for	r physical hazards : On basis of test data. r health hazards : Calculation method. r environmental hazards : Calculation method.	
L6.5 Relevant H- and	EUH-phrases (Number and full text)	
H302	Harmful if swallowed.	
H315	Causes skin irritation.	
H318 H400	Causes serious eye damage. Very toxic to aquatic life.	
H412	Harmful to aquatic life with long lasting effects.	
16.6 Training advice		
None		
16.7 Additional inform	nation	
None		
Mana		