Trade name : Revision date : Print date :		Lithofin St 30.05.2017 28.06.2017	ainstop PLUS	Version (Revision) : Page :	2.0.0 (1.0.1 1 / 1(
SEC	TION 1: Identifica	tion of the substa	ance/mixture and of	the company/ undertak	ing
1.1	Product identifier				
1.2	Lithofin Stainstop PLU Relevant identifie Relevant identifi	ed uses of the su	bstance or mixture a	and uses advised agains	st
		n, contains: organic so			
.3	•• •	cturer/importer/c		downstream user/distrib	utor)
	Distributor :		Casdron Enterprise		
	Street :		Wood End, Prospe	rd. Hants SO 24 9QF	
	Postal code/city :		+44 1962 732126	u, Hanis SO 24 9QF	
	Telephone :		+44 1962 732126		
	Telefax :		Technical Departm	vont	
	Contact :		E-mail: sales@litho		
			Emergency telepho 0196 2732126 (Only available dur		
	Supplier :		Lithofin AG		
	Street :		Heinrich-Otto-Str. 3	36	
	Postal code/city :		73240 Wendlinge	n	
	Telephone :		+49 (0)7024 9403-	0	
	Telefax :		+49 (0)7024 9403-	40	
	Contact :		Technical Departm E-mail: info@lithofi		
			Emergency telepho +49 (0)7024 9403- (Only available dur	0	
.4	Emergency telep see section 1.3	hone number			
SEC	TION 2: Hazards i	dentification			
.1	Classification of Classification ac	the substance or cording to Regu	lation (EC) No 1272/		
				wallowed and enters airways.	
			: Category 2 ; Causes ski		
	Flam. Liq. 3 ; H226 -	Flammable liquids : C	ategory 3 ; Flammable liqu	uid and vapour.	
	STOT SE 3 ; H336 - Additional infor		e : Category 3 ; May cause	e drowsiness or dizziness.	
	This mixture is class		ording to regulation (EC) N	No 1272/2008 [CLP].	
	Remark Full text of H- and E	UH-phrases: see section	on 16.		
.2	Label elements				
	Labelling accord Hazard pictograms		n (EC) No. 1272/200	8 [CLP]	
	< ((N) > ·	(📣) 🗸	🛎 🖑 🔪 【 📜		

(E Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)									
Trade name : Lithofin Stainstop PLUS									
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Signal word									
Danger									
Hazard componer	nts for labelling								
•	-C11, n-alkanes, isoalkanes, cyclics, < 2%	aromatics ; CAS No. : (64742-48-9)							
Siloxanes and Silic	cones, di-Me, hydroxy-terminated, reaction ppyl-1,2-ethanediamine ; CAS No. : 69430-3	products with trimethoxymethylsilane and	N-3-						
Hazard statement	S								
H226	Flammable liquid and vapour.								
H304	May be fatal if swallowed and enter	s airways.							
H318	Causes serious eye damage.								
H315	Causes skin irritation.								
H336	May cause drowsiness or dizziness								
Precautionary sta	tements								
P102	Keep out of reach of children.								
P280	Wear protective gloves and eye/fac	e protection.							

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/.... P331 Do NOT induce vomiting. P405 Store locked up. P501 Dispose of contents and container to appropriate waste site or reclaimer in accordance with local and national regulations.

2.3 Other hazards

Adverse physicochemical effects

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop. This material can be ignited by heat, sparks, flames, or other sources of ignition (e.g., static electricity, pilot lights, mechanical/electrical equipment, and electronic devices such as cell phones, computers, calculators, and pagers which have not been certified as intrinsically safe).

2.4 Additional information

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

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics; REACH registration No. : 01-2119463258-33-xxxx; EC No. : 919-857-5; CAS No. : (64742-48-9)

Weight fraction : ≥ 75 - < 80 %

Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 Asp. Tox. 1 ; H304 STOT SE 3 ; H336

Siloxanes and Silicones, di-Me, hydroxy-terminated, reaction products with trimethoxymethylsilane and N-3

(trimethoxysilyl)propyl-1,2-ethanediam	ine ; CAS No. : 69430-37-1
Weight fraction :	≥ 15 - < 20 %
Classification 1272/2008 [CLP] :	Eye Dam. 1 ; H318 Skin Irrit. 2 ; H315
METHANOL ; REACH registration No	. : 01-2119433307-44-xxxx ; EC No. : 200-659-6; CAS No. : 67-56-1
Weight fraction :	< 0,5 %
Classification 1272/2008 [CLP] :	Flam. Liq. 2 ; H225 Acute Tox. 3 ; H301 Acute Tox. 3 ; H311 Acute Tox. 3 ; H331 STOT SE 1 ; H370

Additional information

All ingredients of this mixture are (pre)registered according to REACH regulation. < 0,1% Benzene, REG(EC) No 1272/2008, Annex VI; J, P

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. Observe risk of aspiration if vomiting occurs.

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.

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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

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Protect uninjured eye.

After ingestion

Call a physician immediately. Keep at rest. Do NOT induce vomiting. If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

Self-protection of the first aider

First aider: Pay attention to self-protection!

- **4.2 Most important symptoms and effects, both acute and delayed** No information available.
- **4.3 Indication of any immediate medical attention and special treatment needed** No information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water alcohol resistant foam ABC-powder Carbon dioxide (CO2) Water spray

Unsuitable extinguishing media

High power water jet Strong water jet

5.2 Special hazards arising from the substance or mixture Hazardous combustion products Carbon monoxide Carbon dioxide (CO2) Hydrogen fluoride Fluoropolymers

5.3 Advice for firefighters

Use suitable breathing apparatus.

Special protective equipment for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4 Additional information

Use water spray jet to protect personnel and to cool endangered containers. Do not allow run-off from fire-fighting to enter drains or water courses. Do not inhale explosion and combustion gases.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protection equipment. Remove all sources of ignition. Provide adequate ventilation. Remove persons to safety. Be aware that gases can spread at ground level (heavier than air) and pay attention to the wind direction.

6.2 Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

6.3 Methods and material for containment and cleaning up

- For cleaning up Suitable material for taking up: Universal binder
- 6.4 Reference to other sections Safe handling: see section 7 Disposal: see section 13 Personal protection equipment: see section 8

SECTION 7: Handling and storage

7.1 Precautions for safe handling

When using do not eat, drink, smoke, sniff.

Protective measures

All work processes must always be designed so that the following is excluded: Inhalation of vapours or spray/mists Skin contact Eye contact Wear personal protection equipment (refer to section 8). Always close containers tightly after the removal of product. Do not breathe gas/fumes/vapour/spray. Use only in well-ventilated areas. If local exhaust ventilation is not possible or not sufficient, the entire working area must be ventilated by technical means.

	ety Data Shee		. 1907/2006 (REAC	. н)	(EN / D
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	ion date : date :	30.05.2017 28.06.2017		Version (Revision) : Page :	2.0.0 (1.0.1 4 / 10
		20.00.2017			
	Measures to preve				
	ignition No smok			n explosive mixtures with air. Keep aw	ay from sources of
.2		afe storage	including any inc	ompatibilities	
			ooms and vessels	-	
			Store only in original co		
	Hints on joint st				
	Storage class (TR	-			
	Recommended sto	,	ture 5 - 25 °C		
	Further informa				
			-	er tightly closed in a cool, well-ventilate	d place.
7.3	Specific end use				•
	Recommendatio	· /			
			erve instructions for use		
SEC	TION 8: Exposure	e controls/p	ersonal protectior	า	
3.1	Control parameter	ers			
	Occupational ex	cposure limi	it values		
				aromatics ; CAS No. : (64742-48-9)	
	Limit value type (co	untry of origin) :	. ,		
	Limit value : Version :		600 mg/m ³		
	METHANOL ; CAS N	o · 67-56-1			
	Limit value type (co		TRGS 900 (D)		
	Limit value :		200 ppm / 270 mg/m	3	
	Peak limitation :		4(II)		
	Remark :		H, Y		
	Version :		04.11.2017		
	Limit value type (co	untry of origin) :	TRGS 903 (D)		
	Parameter :		several previous shifts	End of exposure or end of shift ; At long te	rm exposure: after
	Limit value :		30 mg/l		
	Version :		31.03.2004		
	Limit value type (co	untry of origin) :			
	Limit value :		200 ppm / 260 mg/m	3	
	Remark :		H 07 02 2006		
	Version :	1-	07.02.2006		
.2	Exposure contro				
	Personal protec		nent		
	Eye/face prote	ction	nent		
	-	ction ection			

Required properties DIN EN 166

Skin protection

Hand protection

Suitable gloves type : Gloves with long cuffs

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

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.

Body protection

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Protective clothing.

Suitable protective clothing : Chemical protection clothing Chemical resistant safety shoes Required properties : antistatic. Recommended protective clothing articles : DIN EN ISO 20345 DIN EN 13034 DIN EN 14605 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. Avoid contact with skin, eyes and clothes. Remove contaminated, saturated clothing immediately. Wash contaminated clothing prior to re-use. Wash hands before breaks and after work. Apply skin care products after work.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance :	liquid
Colour :	light yellow
Odour :	solvent
Safety relevant	basis dat

	Freezing point :	(1013 hPa)	<	-20	°C	
	Initial boiling point and boiling range	(1013 hPa)	approx.	155	°C	
	Decomposition temperature :	(1013 hPa)		not determined		
	Flash point :		approx.	35	°C	closed cup
	Ignition temperature :			not determined		
	Sustaining combustion			Yes		UN Test L2:Sustained combustibility test
	Lower explosion limit :			not determined		
	Upper explosion limit :			not determined		
	Vapour pressure :	(50 °C)	<	3000	hPa	
	Density :	(20 °C)	approx.	0,8	g/cm ³	Pyknometer
	Solvent separation test :	(20 °C)	<	3	%	
	Water solubility	(20 °C)		hydrolysed		
	рН :			not applicable		
	log P O/W :			not determined		
	Flow time :	(23 °C)	<	15	S	ISO cup 4 mm
	Odour threshold :			not determined		
	Vapourisation rate :			not determined		
	VOC-FR			A+		
9.2	Other information					

None

SECTION 10: Stability and reactivity

10.1 Reactivity

No information available.

10.2 Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

No hazardous reaction when handled and stored according to provisions.

10.5 Incompatible materials

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	No data available		less (a		
0.6	Hazardous decor				
	Does not decompose	when used for int	ended uses.		
EC	TION 11: Toxicolo	ogical informa	tion		
1.1	Information on to	xicological ef	ffects		
	Acute effects	-			
	Acute oral toxicity				
	Parameter :	L	D50 (METHANOL ; CAS No. : 6	37-56-1)	
	Exposure route :	C	Dral		
	Species :	F	Rat		
	Effective dose :		5628 mg/kg		
	Parameter :	t		di-Me, hydroxy-terminated, reacti -(trimethoxysilyl)propyl-1,2-ethane	
	Exposure route :		Dral		
	Species :	F	Rat		
	Effective dose :		> 2000 mg/kg		
	Parameter :	١	.D50 (Hydrocarbons, C9-C11, n No. : (64742-48-9)) Dral	-alkanes, isoalkanes, cyclics, < 2	% aromatics ; CAS
	Exposure route : Species :		Rat		
	Effective dose :		> 5000 mg/kg		
	Acute dermal toxic				
	Parameter :	L	-D50 (Hydrocarbons, C9-C11, n No. : (64742-48-9))	-alkanes, isoalkanes, cyclics, < 2	% aromatics ; CAS
	Exposure route :		Dermal		
	Species :		Rabbit		
	Effective dose :		> 5000 mg/kg		
	Parameter : Exposure route :		.D50(METHANOL;CAS No.:6 Dermal	57-56-1)	
	Species :		Rabbit		
	Effective dose :	-	17100 mg/kg		
	Acute inhalation to		5 5 5		
	Parameter :	•	_C50 (METHANOL ; CAS No. : 6	67-56-1)	
	Exposure route :	I	nhalation		
	Species :	F	Rat		
	Effective dose :		35,25 mg/l		
	Exposure time :		1 h		
	Specific sympto No data available		studies		
	Irritant and corr Assessment/class				
			dryness or cracking.		
	CMR effects (ca	rcinogenicity,	mutagenicity and toxic	city for reproduction)	
	Carcinogenicity				
	No indication of hu	man carcinogenici	ity.		
	Germ cell mutager	icity			
	In vivo mutagenio	ity			
	Other information	n			
	No experimenta	indications of in v	vivo mutagenicity exist.		
	Human toxicolog	cal data			
	Other information				
		•	mutagenicity exist.		
	Reproductive toxic	•			
	Practical experier				
		human reproductiv	-		
	Overall Assessme				
	The ingredients in	this mixture do not		tion as CMR category 1A or 1B	according to CLE

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SECTION 12: Ecological information

12.1 Toxicity	
Aquatic toxicity	
Acute (short-term) fish to	kicity
Parameter :	LC50 (METHANOL ; CAS No. : 67-56-1)
Species :	Fish
Effective dose :	15400 mg/l
Exposure time :	96 h
Parameter :	LC50 (Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics ; CAS No. : (64742-48-9))
Species :	Fish
Effective dose :	> 1000 mg/l
Exposure time :	96 h
Method :	OECD 203
Chronic (long-term) fish to	-
Parameter :	NOEC (METHANOL ; CAS No. : 67-56-1)
Species :	Fish
Effective dose :	7900 mg/l
Exposure time :	200 h
Parameter :	NOEC (Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics ; CAS No. : (64742-48-9))
Species :	Fish
Effective dose :	> 0,1 - 1 mg/l
Acute (short-term) daphni	-
Parameter :	EC50 (METHANOL ; CAS No. : 67-56-1)
Species :	Daphnia
Effective dose :	> 10000 mg/l
Exposure time :	72 h
Parameter :	EC50 (Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics ; CAS No. : (64742-48-9))
Species :	Daphnia
Effective dose :	> 1000 mg/l
Exposure time : Method :	48 h
	OECD 202
Chronic (long-term) daphr Parameter :	NOEC (Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics ; CAS
Species :	NOEC (Hydrocarbons, C9-C11, fi-aikanes, isoaikanes, Cyclics, < 2% aromatics , CAS No. : (64742-48-9)) Daphnia
Effective dose :	> 0.1 - 1 mg/l
Acute (short-term) algae to	
Parameter :	IC50 (METHANOL ; CAS No. : 67-56-1)
Species :	Algae
Effective dose :	approx. 22000 mg/l
Exposure time :	96 h
Parameter :	IC50 (Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics ; CAS No. : (64742-48-9))
Species :	Algae
Effective dose :	> 1000 mg/l
Exposure time :	72 h
Method :	OECD 201
Sediment toxicity	
Toxicity to soil macroorga	inisms
Acute earthworm toxicity	1
Chronical earthworm tox	icity (reproduction)
	anisms living in the sediment
Effects in sewage pla	nts
	oncerning effluent treatment.
12.2 Persistence and degra	dability
No data available	-
Abiotic degradation	

Hazard label(s) :

Sea transport (IMDG) Class(es) :

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	Abiotic degradation	n in Water			
	Hydrolysis				
	Biodegradation No data available				
123 B	Bioaccumulative	notential			
	No data available	potential			
2.4 N	lobility in soil				
	No data available				
-	Results of PBT a				
			neet the PBT/vPvB criteria accord	ording to REACH, annex XIII.	
-	Other adverse eff	rects			
	No data available Additional ecoto	vicological inf	formation		
	Additional informati	-	lonnation		
	The product has not	been tested.			
SECT	ION 13: Disposa	I consideratio	ons		
	Vaste treatment				
	Dispose according to				
	Product/Packag	-			
	-		cording to EWC/AVV		
	Waste code produ				
	•	89/EEC): 07 01	04*		
	Waste code packa Waste code packa				
	Waste treatment of				
			pose of this material and its co	ontainer in a safe way. Delivery to	an approved
	waste disposal con Appropriate dispo				
		•	ompletely emptied and can be	re-used following proper cleaning	a. Packing which
		ly cleaned must be			g. i doking which
3.2 A	Additional inform	nation			
			the most common uses for thi	s material and may not reflect co	ntaminants
	resulting from actual u	use.			
ECT	ION 14: Transpo	rt informatior	1		
	JN number UN 1993				
	JN proper shippi	na name			
	Land transport (ADF	-			
			ENTINE SUBSTITUTE)		
	Sea transport (IMDG				
			ENTINE SUBSTITUTE)		
	Air transport (ICAO- FLAMMABLE LIQUID		ENTINE SUBSTITUTE)		
4.3 T	ransport hazard	,			
	Land transport (ADF	• •			
	Class(es) :	-	3		
	Classification code		F1		
	Hazard identification	n number (Kemler	30		
	Tunnel restriction c	ode :	D/E		
	Special provisions :	:	640E · LQ 5 I · E 1		
	Hazard label(s) :		3		

3

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	EmS-No. : Special provisions : Hazard label(s) : Air transport (ICAO-T Class(es) : Special provisions :	1 / IATA-DGR)	F-E / S-E LQ 5 I · E 1 3 3 E 1		
14.4	Hazard label(s) : Packing group		3		
	III Environmental ha Land transport (ADR Sea transport (IMDG) Air transport (ICAO-T	/RID): No : No TI/IATA-DGR):	No		
14.6	Special precaution	ns for user			
SEC	TION 15: Regulato	ry informatio	n		
15.1	mixture EU legislation REGULATION (EC) I (REACH) REGULATION (EC) I Directive 2008/98/EC EN 2:1992 (DIN EN 2 Other regulations (E Directive 98/24/EC chemical agents at National regulations Observe in addition a Störfallverordnung For substances co METHANOL ; CAS Water hazard class Class : 1 (Slightly ha Other regulations, r VOCV-Regulation (No 1907/2006 con No 1272/2008 on of the European 2:2005-01) EU) of 7 April 1998 on work. (Directive 20 any national regula ntained in the pr No. : 67-56-1 ; Cate (WGK) azardous to water estrictions and p (CH) ntent (Switzerland	ncerning the Registration, Ev classification, labelling and p Parliament and of the Coun- the protection of the health 000/39/EC, Directive 2006/1 ations! TRGS 510	and safety of workers from the risk 5/EC, Directive 2009/161/EC) o VwVwS	ction of Chemical ures (clp)
	No information availab	le.			
15.3	Additional inform	ation			
SEC	TION 16: Other inf	ormation			
16.1	Indication of chan 02. Labelling according	-	:C) No. 1272/2008 [CLP] · 0:	3. Hazardous ingredients	
16.2	Abbreviations and None	·		ŭ	
16.3	Key literature refe				,
16.4	1272/2008 [CLP]		used evaluation met	hod according to regulati	on (EC) No
16.5	No information availab Relevant H- and E		(Number and full text)	

Safety Data Sheet (EN/D) according to Regulation (EC) No. 1907/2006 (REACH)			
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H301	Toxic if swallowed.		
H304	May be fatal if swallowed and enters airways.		
H311	Toxic in contact with skin.		
H315	Causes skin irritation.		
H318	Causes serious eye damage.		
H331	Toxic if inhaled.		
H336	May cause drowsiness or dizziness.		
H370	Causes damage to organs.		

16.6 Training advice

None

16.7 Additional information

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.