ECT	TON 1: Identifica Product identifie Lithofin MPP	r ed uses of the s ied uses	Version (Revision) : ostance/mixture and of the company/ un substance or mixture and uses advised a	
ECT 1 F 2 F 3 S	TON 1: Identificat Product identifie Lithofin MPP Relevant identifi Relevant identifi Mixture PC 31 - Polisi Supplier Distributor : Street :	ation of the sub r ed uses of the s fied uses	substance or mixture and uses advised a	
.1 F .2 F .3 S	Product identifie Lithofin MPP Relevant identifi Relevant identifi Mixture PC 31 - Polisi Supplier Distributor : Street :	r ed uses of the s ied uses	substance or mixture and uses advised a	
.2 F	Lithofin MPP Relevant identifi Relevant identifi Mixture PC 31 - Polisi Supplier Distributor : Street :	ed uses of the s fied uses		gainst
.3 S	Relevant identif Mixture PC 31 - Polisi Supplier Distributor : Street :	fied uses		gainst
	Supplier Distributor : Street :	hes and wax blends a	ICIDIC	
	Distributor : Street :			
	Street :		Casdron Enterprises Ltd.	
			Wood End, Prospect Road	
			GB- New Alresford, Hants SO 24 9QF	
	Telephone :		+44 1962 732126	
	Telefax :		+44 1962 735373	
	Contact :		Technical Department 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 E	Emergency telep	hone number		
	see section 1.3			
ECT	ION 2: Hazards	identification		
	Acute Tox. 4 ; H302 Acute Tox. 4 ; H312 Additional infor The mixture is classif Remark	- Acute toxicity (oral) - Acute toxicity (derm mation ied as hazardous acc	or mixture pulation (EC) No 1272/2008 [CLP] : Category 4 ; Harmful if swallowed. hal) : Category 4 ; Harmful in contact with skin. ording to regulation (EC) No 1272/2008 [CLP]. tements: see SECTION 16.	
- Ι			ion (EC) No. 1272/2008 [CLP]	

(EN/D)

Precautionary statements P102 Keep of P264 Wash P270 Do not P280 Wear p P301+P312 IF SW/ P501 Disposition 2.3 Other hazards None 2.4 Additional information see section 12.5	lling 2-7 I if swallowed or in contact of ut of reach of children. . thoroughly after handling. eat, drink or smoke when u rotective gloves and eye/fac LLOWED: Call a POISON CE e of contents/container in ac	ising this product. ce protection. ENTER/doctor// if you feel unwell. ccordance with local and national regulations.
Signal word Warning Hazard components for labe OXALIC ACID ; CAS No. : 144-6 Hazard statements H302+H312 Harmfr Precautionary statements P102 Keep of P264 Wash P270 Do not P280 Wear p P301+P312 IF SW/ P501 Dispos 2.3 Other hazards None 2.4 Additional information see section 12.5 SECTION 3: Composition/inf 3.2 Mixtures Hazardous ingredients OXALIC ACID ; REACH No. : 01-2	2-7 I if swallowed or in contact of ut of reach of children. . thoroughly after handling. eat, drink or smoke when u rotective gloves and eye/fac LLOWED: Call a POISON CE e of contents/container in ac	ising this product. ce protection. ENTER/doctor// if you feel unwell. ccordance with local and national regulations.
Signal word Warning Hazard components for lab OXALIC ACID ; CAS No. : 144-6 Hazard statements H302+H312 Harmfr Precautionary statements P102 Keep of P264 Wash P270 Do not P280 Wear p P301+P312 IF SW/ P501 Dispos 2.3 Other hazards None 2.4 Additional information see section 12.5 SECTION 3: Composition/inf 3.2 Mixtures Hazardous ingredients OXALIC ACID ; REACH No. : 01-2	2-7 I if swallowed or in contact of ut of reach of children. . thoroughly after handling. eat, drink or smoke when u rotective gloves and eye/fac LLOWED: Call a POISON CE e of contents/container in ac	ising this product. ce protection. ENTER/doctor// if you feel unwell. ccordance with local and national regulations.
Signal word Warning Hazard components for labe OXALIC ACID ; CAS No. : 144-6 Hazard statements H302+H312 Harmfr Precautionary statements P102 Keep of P264 P301+P312 P301+P312 P301+P312 P501 Dispos P.3 Other hazards None P.4 Additional information see section 12.5 SECTION 3: Composition/information S.2 Mixtures Hazardous ingredients OXALIC ACID ; REACH No. : 01-2	2-7 I if swallowed or in contact of ut of reach of children. . thoroughly after handling. eat, drink or smoke when u rotective gloves and eye/fac LLOWED: Call a POISON CE e of contents/container in ac	ising this product. ce protection. ENTER/doctor// if you feel unwell. ccordance with local and national regulations.
Warning Hazard components for lab. OXALIC ACID ; CAS No. : 144-6 Hazard statements H302+H312 Harmfr Precautionary statements P102 Keep of P264 Wash P270 Do not P301+P312 IF SW/ P501 Dispos 2.3 Other hazards None None 2.4 Additional information see section 12.5 SECTION 3: Composition/inf 3.2 Mixtures Hazardous ingredients OXALIC ACID ; REACH No. : 01-2	2-7 I if swallowed or in contact of ut of reach of children. . thoroughly after handling. eat, drink or smoke when u rotective gloves and eye/fac LLOWED: Call a POISON CE e of contents/container in ac	ising this product. ce protection. ENTER/doctor// if you feel unwell. ccordance with local and national regulations.
Hazard components for lab OXALIC ACID ; CAS No. : 144-6 Hazard statements H302+H312 Harmfr Precautionary statements P102 Keep of P264 Wash P270 Do not P280 Wear p P301+P312 IF SW/ P501 Dispos 2.3 Other hazards None 2.4 Additional information see section 12.5 SECTION 3: Composition/inf 3.2 Mixtures Hazardous ingredients OXALIC ACID ; REACH No. : 01-2	2-7 I if swallowed or in contact of ut of reach of children. . thoroughly after handling. eat, drink or smoke when u rotective gloves and eye/fac LLOWED: Call a POISON CE e of contents/container in ac	ising this product. ce protection. ENTER/doctor// if you feel unwell. ccordance with local and national regulations.
Hazard statements H302+H312 Harmfr Precautionary statements P102 P102 Keep of P264 Wash P270 Do not P280 Wear p P301+P312 IF SW/ P501 Dispos 2.3 Other hazards None None 2.4 Additional information see section 12.5 SECTION 3: Composition/inf Additures Hazardous ingredients OXALIC ACID ; REACH No. : 01-2	l if swallowed or in contact of ut of reach of children. . thoroughly after handling. eat, drink or smoke when u rotective gloves and eye/fac LLOWED: Call a POISON CE e of contents/container in ac	ising this product. ce protection. ENTER/doctor// if you feel unwell. ccordance with local and national regulations.
Precautionary statements P102 Keep of P264 Wash P270 Do not P280 Wear p P301+P312 IF SW/ P501 Dispos 2.3 Other hazards None 2.4 Additional information see section 12.5 SECTION 3: Composition/inf 3.2 Mixtures Hazardous ingredients OXALIC ACID ; REACH No. : 01-2	ut of reach of children. . thoroughly after handling. eat, drink or smoke when u rotective gloves and eye/fac LLOWED: Call a POISON CE e of contents/container in ac	ising this product. ce protection. ENTER/doctor// if you feel unwell. ccordance with local and national regulations.
P102 Keep of P264 Wash P270 Do not P280 Wear p P301+P312 IF SW/ P501 Dispos 2.3 Other hazards None 2.4 Additional information see section 12.5 SECTION 3: Composition/inf 3.2 Mixtures Hazardous ingredients OXALIC ACID ; REACH No. : 01-2	. thoroughly after handling. eat, drink or smoke when u rotective gloves and eye/fac LLOWED: Call a POISON CE of contents/container in ac	ising this product. ce protection. ENTER/doctor// if you feel unwell. ccordance with local and national regulations.
P102 Keep of P264 Wash P270 Do not P280 Wear p P301+P312 IF SW/ P501 Dispos 2.3 Other hazards None 2.4 Additional information see section 12.5 SECTION 3: Composition/inf 3.2 Mixtures Hazardous ingredients OXALIC ACID ; REACH No. : 01-2	. thoroughly after handling. eat, drink or smoke when u rotective gloves and eye/fac LLOWED: Call a POISON CE of contents/container in ac	ising this product. ce protection. ENTER/doctor// if you feel unwell. ccordance with local and national regulations.
P270 Do not P280 Wear (P301+P312 IF SW/ P501 Dispose 2.3 Other hazards None 2.4 Additional information see section 12.5 SECTION 3: Composition/inf 3.2 Mixtures Hazardous ingredients OXALIC ACID ; REACH No. : 01-2	eat, drink or smoke when u rotective gloves and eye/fac LLOWED: Call a POISON CE of contents/container in ac	ising this product. ce protection. ENTER/doctor// if you feel unwell. ccordance with local and national regulations.
P280 Wear (P301+P312 IF SW/ P501 Dispose 2.3 Other hazards None 2.4 Additional information see section 12.5 SECTION 3: Composition/inf 3.2 Mixtures Hazardous ingredients OXALIC ACID ; REACH No. : 01-2	rotective gloves and eye/fac LLOWED: Call a POISON CE of contents/container in ac	ce protection. ENTER/doctor// if you feel unwell. ccordance with local and national regulations.
P301+P312 IF SW/ P501 Dispose 2.3 Other hazards None 2.4 Additional information see section 12.5 SECTION 3: Composition/inf 3.2 Mixtures Hazardous ingredients OXALIC ACID ; REACH No. : 01-2	LLOWED: Call a POISON CE of contents/container in ac	ENTER/doctor// if you feel unwell. ccordance with local and national regulations.
P501 Dispose 2.3 Other hazards None 2.4 Additional information see section 12.5 SECTION 3: Composition/inf 3.2 Mixtures Hazardous ingredients OXALIC ACID ; REACH No. : 01-2	e of contents/container in ac	ccordance with local and national regulations.
 2.3 Other hazards None 2.4 Additional information see section 12.5 SECTION 3: Composition/inf 3.2 Mixtures Hazardous ingredients OXALIC ACID ; REACH No. : 01-2 		
None 2.4 Additional information see section 12.5 SECTION 3: Composition/inf 3.2 Mixtures Hazardous ingredients OXALIC ACID ; REACH No. : 01-2		
 2.4 Additional information see section 12.5 SECTION 3: Composition/inf 3.2 Mixtures Hazardous ingredients OXALIC ACID ; REACH No. : 01-2 		
see section 12.5 SECTION 3: Composition/inf 3.2 Mixtures Hazardous ingredients OXALIC ACID ; REACH No. : 01-2		
SECTION 3: Composition/inf 3.2 Mixtures Hazardous ingredients OXALIC ACID ; REACH No. : 01-2		
3.2 Mixtures Hazardous ingredients OXALIC ACID ; REACH No. : 01-2		
3.2 Mixtures Hazardous ingredients OXALIC ACID ; REACH No. : 01-2		
Hazardous ingredients OXALIC ACID ; REACH No. : 01-2	ormation on ingredi	ients
Hazardous ingredients OXALIC ACID ; REACH No. : 01-2		
OXALIC ACID ; REACH No. : 01-2		
Weight fraction :	L19534576-33-xxxx ; EC No. :	: 205-634-3; CAS No. : 144-62-7
	≥ 55 - < 60 %	
Classification 1272/2008 [CLP]	Acute Tox. 4 ; H302 Ac	cute Tox. 4 ; H312
according to Article 59 of RE	АСН	rn (SVHC) which are included in the Candidate Lis
None (below the concentration li	,	
according to Annex XIV of R	ACH	rn (SVHC) which are subject to authorisation
None (below the concentration li	lit)	
Additional information	(
All ingredients of this mixture are For full text of Hazard- and EU H		-
FOR THIS LEXE OF HAZARD- AND EO H	Zaru-statements: see SECTIO	IN 10.

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 but breathing normally, 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

sult an ophthalmologist. Protect uninjured eye.
ing ingestion nysician immediately. Keep at rest. If accidentally swallowed rinse the mouth with plenty of wate s conscious) and obtain immediate medical attention. Do NOT induce vomiting.
otection of the first aider er: Pay attention to self-protection!
portant symptoms and effects, both acute and delayed ation available.
on of any immediate medical attention and special treatment needer r the doctor mptomatically. reatment , decontamination, treatment of symptoms.
Firefighting measures
ishing media e extinguishing media oray jet ABC-powder Foam able extinguishing media er jet Strong water jet
hazards arising from the substance or mixture
 bus combustion products monoxide Carbon dioxide (CO2) for firefighters ble breathing apparatus. protective equipment for firefighters self-contained breathing apparatus and chemical protective clothing. mal information r spray jet to protect personnel and to cool endangered containers. Do not allow run-off from fir ns or water courses. Do not inhale explosion and combustion gases. The product itself does not
ire-fighting measures to the fire surroundings.
Accidental release measures
Il precautions, protective equipment and emergency procedures sonal protection equipment (refer to section 8). Provide adequate ventilation. Remove persons to mental precautions ow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
s and material for containment and cleaning up aning up
material for taking up: Universal binder intaminated articles and floor according to the environmental legislation. Retain contaminated w ose it. Dispose of waste according to applicable legislation.
ce to other sections Iling: see section 7 protection equipment: see section 8 see section 13
Handling and storage
Page : 3 / 11

Lithofin MPP Trade name :

Revision date : Print date :

12.08.2022 09.09.2022

according to Regulation (EC) No. 1907/2006 (REACH)

Version (Revision) :

5.0.7 (5.0.6)

After eye contact

Safety Data Sheet

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 uniniured eve

Followi

Call a phy er (only if the person is

Self-pro

First aide

4.2 Most imp No informa

4.3 Indicatio ed Notes for

Treat sym

Special tr

First Aid,

SECTION 5: F

5.1 Extinguia

Suitable

Water sp

Unsuita

Full water

5.2 Special h Hazardo

Carbon m

5.3 Advice fo

Use suitabl

Special

Wear a se

5.4 Addition

Use water re-fighting to enter drain t burn. Coordinate fir

SECTION 6: A

6.1 Personal

Wear perso to safety.

6.2 Environn

Do not allo

6.3 Methods

For clea

Suitable n Clean con vashing water and dispo

6.4 Reference

Safe handli Personal pr Disposal: s

SECTION 7: H

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

Trade name :	
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Fi

Lithofin MPP

Revision date : Print date : 12.08.2022 09.09.2022

Version (Revision) :

5.0.7 (5.0.6)

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. Technical measures and the application of suitable work processes have priority over personal protection equipment.

Measures to prevent fire

The product is not: Flammable Usual measures for fire prevention.

ire	class	:				
			-	-		

Shake well before use

Advices on general occupational hygiene

P362+P364 - Take off contaminated clothing and wash it before reuse.

7.2 Conditions for safe storage, including any incompatibilities

A No

Requirements for storage rooms and vessels

Keep container tightly closed. Keep/Store only in original container. The floor should be leak tight, jointless and not absorbent. Ensure adequate ventilation of the storage area.

Hints on joint storage

Storage class (TRGS 510): 13 Recommended storage temperature 5 - 25 °C Protect from frost No

Further information on storage conditions

Keep locked up and out of reach of children. Keep container tightly closed in a cool, well-ventilated place.

7.3 Specific end use(s)

Recommendation

Observe technical data sheet. Observe instructions for use.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

OXALIC ACID ; CAS No. : 144-62-7	
Limit value type (country of origin) :	MAK (CH)
Parameter :	E: inhalable fraction
Limit value :	1 mg/m ³
Version :	
Limit value type (country of origin) :	TRGS 900 (D)
Parameter :	E: inhalable fraction
Limit value :	1 mg/m ³
Peak limitation :	1(I)
Remark :	Н
Version :	02.07.2021
Limit value type (country of origin) :	TWA (EC)
Limit value :	1 mg/m ³
Version :	20.06.2019
DNEL-/PNEC-values	
DNEL/DMEL	
OXALIC ACID ; CAS No. : 144-62-7	
Limit value type :	DNEL Consumer (systemic)
Exposure route :	Dermal
Exposure frequency :	Long-term

Safety Data She		lo. 1907/2006 (REACH)		(EN / D
Frade name :		fin MPP		
evision date :	12.08.2022		on (Revision) :	5.0.7 (5.0.6)
rint date :	09.09.2022			
Limit value :		1,14 mg/kg/d		
Limit value type :		DNEL worker (systemic)		
Exposure route :		Dermal		
Exposure frequent	cy:	Long-term		
Limit value :		2,29 mg/kg/d		
Limit value type :		DNEL worker (systemic)		
Exposure route :		Inhalation		
Exposure frequent	cy:	Long-term		
Limit value :		4,03 mg/m ³		
PNEC				
OXALIC ACID ; CAS	No. : 144-62-7			
Limit value type :		PNEC (Aquatic, freshwater)		
Limit value :		0,1622 mg/l		
Limit value type :		PNEC (Aquatic, intermittent release)		
Limit value :		1,622 mg/l		
Limit value type :		PNEC (Aquatic, marine water)		
Limit value :		0,01622 mg/l		
Limit value type : Limit value :		PNEC (Sewage treatment plant) 1550 mg/l		
	le	1550 mg/i		
Appropriate eng				
Ensure adequate ver Technical measures		storage area. ation of suitable work processes have priorit	y over personal prote	ction equipment.
Personal protec				
Eye/face prote				
Usually no personal		tection necessary. Eye/face protection neces	sary at: Splashes, Co	ntact with eyes,
Spray application.				
Suitable eye prot				
Eye glasses with s		goggies		
Required propert EN 166	ies			
Skin protection				
application.	skin protecti	on necessary. Skin protection necessary at: S	Splashes, Contact with	n skin, Spray
Hand protection				
Suitable gloves		5		
Suitable materia 0,7mm, >8h;	al : NBR (Nitri	le rubber), 0,4mm, >8h; Butyl caoutchouc, (0,5mm, >8h; FKM (flu	loro rubber),
Recommended e comparable article	-	s : Manufacturer KCL GmbH/Eichenzell-Germ companies.	nany; Ansell/Yarra Cit	y-Australia Or
Additional hand	protection	measures : Check leak tightness/impermeal	bility prior to use.	
of the protective g concentration and resistance to chen	loves resistar quantity of h nicals of the p	and swelling properties of the material must t to chemicals must be chosen as a function azardous substances. For special purposes, i rotective gloves mentioned above together v	of the specific workir t is recommended to	ng place check the
	e not substitut	es for body protection.		
Body protection				
Protective clothing				
Cultable musteret	ivo clathina	· Chemical protection clothing Chemical resi	istant safety choos	

Suitable protective clothing : Chemical protection clothing Chemical resistant safety shoes

Required properties : acid-resistant. Protective clothing. : EN 13034 EN 14605

Chemical resistant safety shoes : EN ISO 20345

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

Trade name :	Litho	fin MPP				
Revision date : Print date :	12.08.2022 09.09.2022			Version (Revision) :		5.0.7 (5.0.6
		on apparatus alf-face mask ABEk	(-P1			
<i>i i</i>				luding four digit test ing respiratory prote		Observe the wear time
General inform			e rules for us	ang respiratory prote	споп арра	liatus (DGR 190).
When using do not saturated clothing in	eat, drink, sm mmediately. V	oke, sniff. Avoid c Vash contaminated	ontact with s I clothing prie	working materials an kin, eyes and clothes or to re-use. Wash ha umes/vapour/spray.	. Remove	contaminated,
SECTION 9: Physical	and chen	nical properti	es			
9.1 Information on	hasic như	sical and cho	mical pro	nortios		
Appearance :	Powder	Sical and che	inical pro	per ties		
Colour :	white					
Odour :	stinging					
Safety characte	eristics					
Melting point/freez		(1013 hPa)		not applicable		
Initial boiling point range :	and boiling	(1013 hPa)		not applicable		
Decomposition tem	perature :	(1013 hPa)	>	110	°C	
Flash point :				not applicable		closed cup (EN ISO 3679)
Auto-ignition tempe	erature :			not determined		. ,
Sustaining combust	ion			No		UN Test L2:Sustained combustibility test
Lower explosion lin				not determined		· · · · · · · · · · · · · · · · · · ·
Upper explosion lim Vapour pressure :	nit :	(50 °C)	<	not determined 3000	hPa	
Density :		(30°C) (20°C)		0,75	g/cm ³	Pyknometer (DIN EN
						ISO 2811-1) Test L1: Solvent
Solvent separation	test :	(20 °C)	<	3	%	separation test (UN)
Water solubility pH :		(20 °C)		partially miscible not applicable		DIN 19268
log P O/W :				not determined		(Mixture)
Flow time :		(23 °C)		not applicable		ISO cup 4 mm (DIN EN ISO 2431)
		-				(DIN EN 150 2431)

Trade

Safety Data Sheet

Su

Gen

SECTION

9.1 Info

range :	(1015 1198)		not applicable		
Decomposition temperature :	(1013 hPa)	>	110	°C	
Flash point :			not applicable		closed cup (EN ISO 3679)
Auto-ignition temperature :			not determined		
Sustaining combustion			No		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)		0,75	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)		partially miscible		
рН :			not applicable		DIN 19268
log P O/W :			not determined		(Mixture)
Flow time :	(23 °C)		not applicable		ISO cup 4 mm (DIN EN ISO 2431)
Odour threshold :			not determined		
Vapourisation rate :			not determined		
VOC content-EC			0	Weight-%	*
VOC-France			not applicable		Décret no 2011-321 du 23 mars 2011

(* VOC-EC = "Volatile organic compound (VOC)" means any organic compound having an initial boiling point less than or equal to 250°C measured at a standard pressure of 101,3 kPa; VOC-value in g/L)

9.2 Other information

None

SECTION 10: Stability and reactivity

10.1 Reactivity

No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

Safety Data She	et			(EN / D
according to Regulat		07/2006 (REAC	CH)	
Trade name :	Lithofin M			
		IPP		
Revision date : Print date :	12.08.2022 09.09.2022		Version (Revision) :	5.0.7 (5.0.6)
10.3 Possibility of ha	zardous reactio	15		
No hazardous reaction			ovisions.	
10.4 Conditions to av	oid			
Stable under recomme	ended storage and ha	ndling conditions.		
10.5 Incompatible ma	aterials			
The product develops	hydrogen in an aqueo	us solution in contact	t with metals.	
LO.6 Hazardous deco	mposition produ	icts		
Does not decompose	when used for intende	d uses.		
SECTION 11: Toxicol	ogical informat	on		
1.1 Information on I	nazard classes a	s defined in Re	gulation (EC) No 1272/20	008
Acute toxicity				
-	ith skin and if swallov	red.		
Acute oral toxicity	,			
Parameter :		(OXALIC ACID ; CAS I	No. : 144-62-7)	
Exposure route :	Oral Rat			
Species : Effective dose :	8at 375 r	na/ka		
Acute dermal toxi		19/119		
Parameter :	•	(OXALIC ACID ; CAS	No. : 144-62-7)	
Exposure route :	Derm			
Species : Effective dose :	Rabb			
Specific effects) mg/kg mal oxporimont	1	
	vailable on the prepara		.)	
Corrosion				
	ata, the classification	criteria are not met.		
Respiratory or s	•			
	ata, the classification			
Repeated dose			, chronic)	
	ailable on the prepara			
CMR effects (ca	rcinogenicity, r	nutagenicity an	d toxicity for reproductio	n)
Carcinogenicity				
	data, the classification	criteria are not met.		
Germ cell mutage				
Based on available Reproductive toxi	data, the classification	criteria are not met.		
-	data, the classification	criteria are not met		
STOT-single ex		chiefia are not met.		
	ata, the classification	criteria are not met.		
STOT-repeated				
-	ata, the classification	criteria are not met.		
Aspiration haza				
-	ata, the classification	criteria are not met.		
1.2 Information on o				
No information availab	ble.			

12.1 Toxicity

Safety Data She	et		(EN / D
-	tion (EC) No. 1907/2006 (R	EACH)	
Trade name :			()
Revision date : Print date :	12.08.2022 09.09.2022	Version (Revision) :	5.0.7 (5.0.6)
Aquatic toxicity			
	lata, the classification criteria are not n		
=) toxicity to algae and cyanobacte		
Parameter :	EC50 (OXALIC ACID ;	CAS No. : 144-62-7)	
Species : Effective dose :	Daphnia 162,2 mg/l		
Exposure time :	48 h		
Method :	OECD 202		
Sewage treatm	ent plant		
-	tions concerning effluent treatment. B	efore discharge into sewage plants the pro	oduct normally
12.2 Persistence and	degradability		
	ailable on the preparation/mixture itsel	f.	
Biodegradation			
	vailable on the preparation/mixture itse	elf.	
12.3 Bioaccumulative			
	ailable on the preparation/mixture itsel	f	
12.4 Mobility in soil	alable on the propertion (misture ited	£	
	ailable on the preparation/mixture itsel	1.	
	nd vPvB assessment		
		iteria according to REACH, annex XIII.	
12.6 Endocrine disru			
No information availa			
12.7 Other adverse e			
	ailable on the preparation/mixture itsel	f.	
12.8 Additional ecoto	xicological information		
Additional information			
The product has not	been tested.		
SECTION 13: Dispos	al considerations		
13.1 Waste treatmen			
	ording to applicable legislation. ding to directive 2008/98/EC, covering	waste and dangerous waste.	
Directive 2008	98/EC (Waste Framework	Directive)	
Before intended u	se		
	ste designations according to EW	C/AVV	
•	/AVV): 06 01 06* (other acids)		
After intended use			
	cleaned must be disposed of. Delivery	ontaminated packages may be recycled. P v to an approved waste disposal company.	
Contaminated page		d can be re-used following proper cleanin	g. Packing which
	ste designations according to EW	C/AVV	
Waste code packa			

13.2 Additional information

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

according to Desulat	et		(EN / D)
according to Regulati	ion (EC) No. 1907/200	6 (REACH)	
Trade name :	Lithofin MPP		
Revision date :	12.08.2022	Version (Revision) :	5.0.7 (5.0.6)
Print date :	09.09.2022		
14.1 UN number			
	sense of these transport regulat	tions.	
14.2 UN proper shippi			
No dangerous good in	sense of these transport regulat	tions.	
14.3 Transport hazard	l class(es)		
	sense of these transport regulat	tions.	
14.4 Packing group			
	sense of these transport regulat	tions.	
14.5 Environmental ha			
	sense of these transport regulat	tions.	
14.6 Special precautio	ons for user		
None	coccording to Annox II	of Marnal and the IBC Code	
Not required.		I of Marpol and the IBC Code	
Not required.			
SECTION 15: Regulat	ory information		
	-		
12.1	d environmental regul	ations/legislation specific for the	substance or
mixture			
EU legislation			
	o 1907/2006 OF THE EUROPEAN	N PARLIAMENT AND OF THE COUNCIL concerni	ng the
		N PARLIAMENT AND OF THE COUNCIL on classi	ification, labelling
	ostances and mixtures (clp)		
EN 2:1992 (DIN EN 2		IENT AND OF THE COUNCIL on waste (2000/53	32/EC)
•	I/or restrictions on use		
Restrictions on us			
Use restriction acco	ording to REACH annex XVII, no).: 3	
Restrictions of oc	•		
		cording to the 'juvenile work protection guidelin nity Protection Directive (92/85/EEC) for expect	
mothers.			
mothers. Other regulations (of the health and safety of workers from the r	isks related to
mothers. Other regulations (Directive 98/24/EC of	of 7 April 1998 on the protection	n of the health and safety of workers from the r rective 2006/15/EC, Directive 2009/161/EC)	isks related to
mothers. Other regulations (Directive 98/24/EC of chemical agents at w REGULATION (EU) M	of 7 April 1998 on the protection work. (Directive 2000/39/EC, Dir No 649/2012 OF THE EUROPEAN	rective 2006/15/EC, Directive 2009/161/EC) N PARLIAMENT AND OF THE COUNCIL concerni	
mothers. Other regulations (Directive 98/24/EC of chemical agents at w REGULATION (EU) M import of hazardous	of 7 April 1998 on the protection work. (Directive 2000/39/EC, Dir No 649/2012 OF THE EUROPEAN s chemicals [PIC-Regulation]: No	rective 2006/15/EC, Directive 2009/161/EC) N PARLIAMENT AND OF THE COUNCIL concerni ot listed/not relevant.	ing the export and
mothers. Other regulations (Directive 98/24/EC of chemical agents at w REGULATION (EU) M import of hazardous REGULATION (EU) M	of 7 April 1998 on the protection work. (Directive 2000/39/EC, Dir No 649/2012 OF THE EUROPEAN s chemicals [PIC-Regulation]: No	rective 2006/15/EC, Directive 2009/161/EC) N PARLIAMENT AND OF THE COUNCIL concerni	ing the export and
mothers. Other regulations (Directive 98/24/EC of chemical agents at w REGULATION (EU) M import of hazardous REGULATION (EU) M of explosives precur	of 7 April 1998 on the protection work. (Directive 2000/39/EC, Dir No 649/2012 OF THE EUROPEAN chemicals [PIC-Regulation]: No No 2019/1148 OF THE EUROPEA rsors: Not listed/not relevant.	rective 2006/15/EC, Directive 2009/161/EC) N PARLIAMENT AND OF THE COUNCIL concerni ot listed/not relevant.	ing the export and marketing and use
mothers. Other regulations (Directive 98/24/EC of chemical agents at w REGULATION (EU) M import of hazardous REGULATION (EU) M of explosives precur Regulation (EC) M Not listed/not relev	of 7 April 1998 on the protection work. (Directive 2000/39/EC, Dir No 649/2012 OF THE EUROPEAN chemicals [PIC-Regulation]: No No 2019/1148 OF THE EUROPEA sors: Not listed/not relevant. No. 1005/2009 on substances vant.	rective 2006/15/EC, Directive 2009/161/EC) N PARLIAMENT AND OF THE COUNCIL concerni ot listed/not relevant. AN PARLIAMENT AND OF THE COUNCIL on the as that lead to the depletion of the ozone la	ing the export and marketing and use
mothers. Other regulations (Directive 98/24/EC of chemical agents at w REGULATION (EU) M import of hazardous REGULATION (EU) M of explosives precur Regulation (EC) M Not listed/not relev Contains the follow	of 7 April 1998 on the protection work. (Directive 2000/39/EC, Dir No 649/2012 OF THE EUROPEAN chemicals [PIC-Regulation]: No No 2019/1148 OF THE EUROPEA 'sors: Not listed/not relevant. No. 1005/2009 on substance vant. ving substances that deplete the	rective 2006/15/EC, Directive 2009/161/EC) N PARLIAMENT AND OF THE COUNCIL concerni ot listed/not relevant. AN PARLIAMENT AND OF THE COUNCIL on the es that lead to the depletion of the ozone l e ozone layer: -	ing the export and marketing and use
mothers. Other regulations (Directive 98/24/EC (chemical agents at w REGULATION (EU) M import of hazardous REGULATION (EU) M of explosives precur Regulation (EC) M Not listed/not relev Contains the follow Regulation (EC) 2	of 7 April 1998 on the protection work. (Directive 2000/39/EC, Dir No 649/2012 OF THE EUROPEAN s chemicals [PIC-Regulation]: No No 2019/1148 OF THE EUROPEA 'sors: Not listed/not relevant. No. 1005/2009 on substance vant. ving substances that deplete the 2019/1021 [POP Regulation]	rective 2006/15/EC, Directive 2009/161/EC) N PARLIAMENT AND OF THE COUNCIL concerni ot listed/not relevant. AN PARLIAMENT AND OF THE COUNCIL on the es that lead to the depletion of the ozone l e ozone layer: -	ing the export and marketing and use
mothers. Other regulations (Directive 98/24/EC of chemical agents at w REGULATION (EU) M import of hazardous REGULATION (EU) M of explosives precur Regulation (EC) M Not listed/not relev Contains the follow Regulation (EC) 2 Not listed/not relev	of 7 April 1998 on the protection work. (Directive 2000/39/EC, Dir No 649/2012 OF THE EUROPEAN s chemicals [PIC-Regulation]: No No 2019/1148 OF THE EUROPEA 'sors: Not listed/not relevant. No. 1005/2009 on substance vant. ving substances that deplete the 2019/1021 [POP Regulation]	rective 2006/15/EC, Directive 2009/161/EC) N PARLIAMENT AND OF THE COUNCIL concerni ot listed/not relevant. AN PARLIAMENT AND OF THE COUNCIL on the es that lead to the depletion of the ozone l e ozone layer: -	ing the export and marketing and use
mothers. Other regulations (Directive 98/24/EC of chemical agents at w REGULATION (EU) M import of hazardous REGULATION (EU) M of explosives precur Regulation (EC) M Not listed/not relev Contains the follow Regulation (EC) 2 Not listed/not relev	of 7 April 1998 on the protection work. (Directive 2000/39/EC, Dir No 649/2012 OF THE EUROPEAN s chemicals [PIC-Regulation]: No No 2019/1148 OF THE EUROPEA rsors: Not listed/not relevant. No. 1005/2009 on substance vant. ving substances that deplete the 2019/1021 [POP Regulation] vant. stent organic pollutant (POP): -	rective 2006/15/EC, Directive 2009/161/EC) N PARLIAMENT AND OF THE COUNCIL concerni ot listed/not relevant. AN PARLIAMENT AND OF THE COUNCIL on the es that lead to the depletion of the ozone l e ozone layer: -	ing the export and marketing and use
mothers. Other regulations (Directive 98/24/EC (chemical agents at w REGULATION (EU) M import of hazardous REGULATION (EU) M of explosives precur Regulation (EC) M Not listed/not relev Contains the follow Regulation (EC) 2 Not listed/not relev Name of the persis National regulations Observe in addition a	of 7 April 1998 on the protection work. (Directive 2000/39/EC, Dir No 649/2012 OF THE EUROPEAN s chemicals [PIC-Regulation]: No No 2019/1148 OF THE EUROPEA rsors: Not listed/not relevant. No. 1005/2009 on substance vant. ving substances that deplete the 2019/1021 [POP Regulation] vant. stent organic pollutant (POP): -	rective 2006/15/EC, Directive 2009/161/EC) N PARLIAMENT AND OF THE COUNCIL concerni ot listed/not relevant. AN PARLIAMENT AND OF THE COUNCIL on the es that lead to the depletion of the ozone l e ozone layer: -	ing the export and marketing and use
mothers. Other regulations (Directive 98/24/EC of chemical agents at w REGULATION (EU) M import of hazardous REGULATION (EU) M of explosives precur Regulation (EC) M Not listed/not releve Contains the follow Regulation (EC) 2 Not listed/not releve Name of the persis National regulations Observe in addition a Germany:	of 7 April 1998 on the protection work. (Directive 2000/39/EC, Dir No 649/2012 OF THE EUROPEAN schemicals [PIC-Regulation]: No No 2019/1148 OF THE EUROPEA rsors: Not listed/not relevant. No. 1005/2009 on substance vant. ving substances that deplete the 2019/1021 [POP Regulation] vant. stent organic pollutant (POP): - S any national regulations!	rective 2006/15/EC, Directive 2009/161/EC) N PARLIAMENT AND OF THE COUNCIL concerni ot listed/not relevant. AN PARLIAMENT AND OF THE COUNCIL on the es that lead to the depletion of the ozone l e ozone layer: -	ing the export and marketing and use
mothers. Other regulations (Directive 98/24/EC of chemical agents at w REGULATION (EU) M import of hazardouss REGULATION (EU) M of explosives precur Regulation (EC) M Not listed/not releve Contains the follow Regulation (EC) 2 Not listed/not releve Name of the persiss National regulations Observe in addition a Germany: TRGS 400 (Risk assess TRGS 500 (Protective	of 7 April 1998 on the protection work. (Directive 2000/39/EC, Dir No 649/2012 OF THE EUROPEAN schemicals [PIC-Regulation]: No No 2019/1148 OF THE EUROPEA rsors: Not listed/not relevant. No. 1005/2009 on substance vant. ving substances that deplete the 2019/1021 [POP Regulation] vant. stent organic pollutant (POP): - s any national regulations! ssment for activities involving ha e measures)	rective 2006/15/EC, Directive 2009/161/EC) N PARLIAMENT AND OF THE COUNCIL concerni ot listed/not relevant. AN PARLIAMENT AND OF THE COUNCIL on the es that lead to the depletion of the ozone la e ozone layer: -	ing the export and marketing and use
mothers. Other regulations (Directive 98/24/EC of chemical agents at w REGULATION (EU) M import of hazardouss REGULATION (EU) M of explosives precur Regulation (EC) M Not listed/not releve Contains the follow Regulation (EC) 2 Not listed/not releve Name of the persis National regulations Observe in addition a Germany: TRGS 400 (Risk assess TRGS 500 (Protective TRGS 510 (Storage o	of 7 April 1998 on the protection work. (Directive 2000/39/EC, Dir No 649/2012 OF THE EUROPEAN schemicals [PIC-Regulation]: No No 2019/1148 OF THE EUROPEA rsors: Not listed/not relevant. No. 1005/2009 on substance vant. ving substances that deplete the 2019/1021 [POP Regulation] vant. stent organic pollutant (POP): - s my national regulations! ssment for activities involving ha e measures) of hazardous substances in non-s	rective 2006/15/EC, Directive 2009/161/EC) N PARLIAMENT AND OF THE COUNCIL concerni ot listed/not relevant. AN PARLIAMENT AND OF THE COUNCIL on the es that lead to the depletion of the ozone la e ozone layer: - azardous substances) stationary containers)	ing the export and marketing and use
mothers. Other regulations (Directive 98/24/EC of chemical agents at w REGULATION (EU) M import of hazardouss REGULATION (EU) M of explosives precur Regulation (EC) M Not listed/not releved Contains the follow Regulation (EC) 2 Not listed/not releved Name of the persist National regulations Observe in addition a Germany: TRGS 400 (Risk assess TRGS 500 (Protectived TRGS 510 (Storage of the second sec	of 7 April 1998 on the protection work. (Directive 2000/39/EC, Dir No 649/2012 OF THE EUROPEAN schemicals [PIC-Regulation]: No No 2019/1148 OF THE EUROPEA rsors: Not listed/not relevant. No. 1005/2009 on substance vant. ving substances that deplete the 2019/1021 [POP Regulation] vant. stent organic pollutant (POP): - S inny national regulations! ssment for activities involving ha e measures) of hazardous substances in non-s nstruction and information for w	rective 2006/15/EC, Directive 2009/161/EC) N PARLIAMENT AND OF THE COUNCIL concerni ot listed/not relevant. AN PARLIAMENT AND OF THE COUNCIL on the es that lead to the depletion of the ozone la e ozone layer: - azardous substances) stationary containers)	ing the export and marketing and use

Safety Data Sheet (EN / D according to Regulation (EC) No. 1907/2006 (REACH)				
Trade name : Revision date : Print date :	Lithofin MPP 12.08.2022 09.09.2022	Version (Revision) :	5.0.7 (5.0.6)	
Switzerland VOCV-Regulation	, restrictions and prohibition region on content (Switzerland) : 0 Weight-%			
_	lammable Liquids - VbF			
VbF-Class : NU				
15.2 Chemical Safety	ASSESSMENT ixture a chemical safety assessment h	as not been carried out		
15.3 Additional infor		as not been carried out.		
SECTION 16: Other i				
SECTION 16: Other I	nformation			
16.1 Indication of ch	anges			
07. Hints on joint sto	-			
16.2 Abbreviations a	nd acronyms			
ABC-Pulver	Extinguishing powder for fire cla	ss A, B and C		
ABEK-P1	combination filter			
ADR	European Agreement concerning	the International Carriage of Dangerous	Goods by Road	
AVV	Abfallverzeichnis-Verordnung (W	aste Regulation)		
AWSV	Ordinance on facilities for the ha	ndling of substances hazardous to water		
BGR	BG rules and regulations			
ca.	circa			

AWSV	ordinance of facilities for the flanding of substances flazardous to water
BGR	BG rules and regulations
ca.	circa
CAS	Chemical Abstracts Service
CLP	classification, labelling and packaging
CMR	Carcinogen, mutagen or toxic for reproduction
DIN	German Institute for Standardization
DNEL	Derived No-Effect Level
EAK/EWC/EAC/CWR/CER	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 Substances Ordinance)
GHS / SGH	Globally Harmonised System
H-Sätze	hazard statements
IATA-DGR	International Air Transport Association-Dangerous Goods Regulations
IBC-Code	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
ICAO-TI	International Civil Aviation Organization-Technical Instructions
IMDG-Code	International Maritime Dangerous Goods Code
ISO	International Organization for Standardization
LC50 / CL50	Lethal Concentration 50%
LD50 / DL50	Lethal Dose 50%
log P O/W	Partition coefficient n-octanol/water
MARPOL	International Convention for the Prevention of Pollution from Ships (marine pollution)
NOAEL (DSET)	No observed adverse effect level
NOEC (CSEO)	No observed effect concentration

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Print date :	09.09.2022		
Nr.	Number		
OECD	Organisation for Economic Co-operation and Development		
PBT	persistent, bioaccumulative and		
pН	Potentia hydrogenii		
PIC	prior informed consent		
PNEC	Predicted No-Effect Concentration	on	
POP	Persistent organic pollutants		
P-Sätze	precautionary statements		
REACH	REACH Registration, Evaluation, Authorisation and Restriction of Chemicals		
RID International Carriage of Dangerous Goods by Rail		rous Goods by Rail	
STEL / LECT	T short-term exposure limit Technische Regeln für Gefahrstoffe (Technical Rules for Hazardous Substances		
TRGS			
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 bioaccu	umulative	
WGK	Wassergefährdungsklasse (Wat	er hazard class)	

For abbreviations and acronyms, see table at http://abbrev.esdscom.eu. For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

16.3 Key literature references and sources for data

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL ECHA: Registered substances (https://echa.europa.eu/information-on-chemicals/registered-substances) REACH Article 59: Candidate List of substances of very high concern for Authorisation (https://echa.europa.eu/candidate-list-table)

^{16.4} Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Hazard statements for physical hazards : On basis of test data. Hazard statements for health hazards : Calculation method. Hazard statements for environmental hazards : Calculation method.

16.5 Relevant H- and EUH-phrases (Number and full text)

H302 Harmful if swallowed. H312 Harmful in contact with skin.

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.