

Trade name : Lithofin MPP

Revision date : 20.02.2015
Print date : 05.03.2015

Version : 0.0.1
Page : 1 / 8

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Lithofin MPP

1.2 Relevant identified uses of the substance or mixture and uses advised against

No information available.

1.3 Supplier (manufacturer/importer/only representative/downstream user/distributor)

Distributor :

GranQuartz
Street : 4963 South Royal Atlanta Drive
Postal code/city : USA Tucker, GA 30084
Telephone : +1 770 621-9777
Telefax : +1 770 621-9771
Contact : Technical Department
E-mail: admin@granquartz.com

Emergency telephone number:
+1 770 621-9777
(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)

1.4 Emergency telephone number

see section 1.3

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Directive 67/548/EEC or 1999/45/EC

Harmful in contact with skin and if swallowed.

Xn ; R 21/22

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 4 ; H312 - Acute toxicity (dermal) : Category 4 ; Harmful in contact with skin.

Acute Tox. 4 ; H302 - Acute toxicity (oral) : Category 4 ; Harmful if swallowed.

Additional information

This mixture is classified as hazardous according to regulation (EC) No. 1272/2008 [CLP].

Remark

Full text of R-, H- and EUH-phrases: see section 16.

2.2 Label elements

Labelling (67/548/EEC or 1999/45/EC)

Hazard symbols and hazard statements of dangerous substances and preparations



Xn ; Harmful

Hazard components for labelling

OXALIC ACID ; CAS No. : 144-62-7

R-phrases

21/22 Harmful in contact with skin and if swallowed.

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

(EN / D)

Trade name : Lithofin MPP

Revision date : 20.02.2015
Print date : 05.03.2015

Version : 0.0.1
Page : 2 / 8

S-phrases

- 35 This material and its container must be disposed of in a safe way.
51 Use only in well-ventilated areas.
36/37 Wear suitable protective clothing and gloves.

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms



Exclamation mark (GHS07)

Signal word

Warning

Hazard components for labelling

OXALIC ACID ; CAS No. : 144-62-7

Hazard statements

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

Precautionary statements

- P102 Keep out of reach of children.
P264 Wash ... thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor/.../if you feel unwell.
P501 Dispose of contents/container to

2.3 Other hazards

Adverse human health effects and symptoms

Due to its pH value (see chapter 9), irritation of the skin and eyes cannot be ruled out.

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

Description

Polishes and wax blends

Hazardous ingredients

OXALIC ACID ; EC No. : 205-634-3; CAS No. : 144-62-7

Weight fraction : 55 - 60 %
Classification 67/548/EEC : Xn ; R21/22
Classification 1272/2008 [CLP] : Acute Tox. 4 ; H302 Acute Tox. 4 ; H312

Additional information

All ingredients of this mixture are (pre)registered according to REACH regulation.
Full text of R-, 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.

In case of inhalation

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. 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

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

(EN / D)

Trade name : Lithofin MPP

Revision date : 20.02.2015

Version : 0.0.1

Print date : 05.03.2015

Page : 3 / 8

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. If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting.

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

Full water jet Strong water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Carbon monoxide. Carbon dioxide (CO₂)

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. The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment (see chapter 8). Provide adequate ventilation. Remove persons to safety.

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

Other information

Clear spills immediately.

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 (see chapter 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.

Measures to prevent fire

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

Fire class : A

Trade name : Lithofin MPP

Revision date : 20.02.2015
Print date : 05.03.2015

Version : 0.0.1
Page : 4 / 8

Shake before use nein

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Keep/Store only in original container.

Hints on joint storage

Storage class (TRGS 510) : 12

Protect from frost nein

Recommended storage temperature 5 - 25 °C

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) : TRGS 900 (D)
Parameter : E: inhalable fraction
Limit value : 1 mg/m³
Peak limitation : 1(l)
Remark : H
Version : 01.09.2012

Limit value type (country of origin) : TWA (EC)
Limit value : 1 mg/m³
Version : 07.02.2006

DNEL/DMEL and PNEC values

DNEL/DMEL

Limit value type : DNEL/DMEL (DNEL Consumer, Systemic) (OXALIC ACID ; CAS No. : 144-62-7)
Exposure route : Dermal
Exposure frequency : Long-term (repeated)
Limit value : 1,14 mg/kg/d
Limit value type : DNEL/DMEL (Worker, Systemic) (OXALIC ACID ; CAS No. : 144-62-7)
Exposure route : Dermal
Exposure frequency : Long-term (repeated)
Limit value : 2,29 mg/kg/d
Limit value type : DNEL/DMEL (Worker, Systemic) (OXALIC ACID ; CAS No. : 144-62-7)
Exposure route : Inhalation
Exposure frequency : Long-term (repeated)
Limit value : 4,03 mg/m³

PNEC

Limit value type : PNEC aquatic, freshwater (OXALIC ACID ; CAS No. : 144-62-7)
Limit value : 0,1622 mg/l
Limit value type : PNEC aquatic, intermittent release (OXALIC ACID ; CAS No. : 144-62-7)
Limit value : 1,622 mg/l
Limit value type : PNEC aquatic, marine water (OXALIC ACID ; CAS No. : 144-62-7)
Limit value : 0,01622 mg/l
Limit value type : PNEC sewage treatment plant (STP) (OXALIC ACID ; CAS No. : 144-62-7)
Limit value : 1550 mg/l

8.2 Exposure controls

Personal protection equipment

Eye/face protection

Suitable eye protection

Eye glasses with side protection goggles

Required properties

DIN EN 166

Skin protection

Safety Data Sheet

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

(EN / D)

Trade name : Lithofin MPP

Revision date : 20.02.2015
Print date : 05.03.2015

Version : 0.0.1
Page : 5 / 8

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;

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

Protective clothing.

Suitable protective clothing : Chemical protection clothing Chemical resistant safety shoes

Required properties : acid-resistant.

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 : Powder

Colour : white

Odour : stinging

Safety relevant basis data

Freezing point :	(1013 hPa)		not applicable	
Boiling temperature/boiling range :	(1013 hPa)		not applicable	
Decomposition temperature :	(1013 hPa)	>	110 °C	
Flash point :			not applicable	closed cup
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)	ca.	0,8 g/cm ³	Pyknometer
Solvent separation test :	(20 °C)	<	3 %	
Water solubility	(20 °C)		partially miscible	
pH value :			not applicable	
log P O/W :			not determined	
Flow time :	(23 °C)		not applicable	ISO cup 4 mm
Odour threshold :			not determined	
Vapourisation rate :			not determined	
VOC-FR			not applicable	

9.2 Other information

None

SECTION 10: Stability and reactivity

Trade name : Lithofin MPP

Revision date : 20.02.2015
Print date : 05.03.2015

Version : 0.0.1
Page : 6 / 8

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

The product develops hydrogen in an aqueous solution in contact with metals.

10.6 Hazardous decomposition products

Does not decompose when used for intended uses.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute effects

Acute oral toxicity

Parameter : LD50 (OXALIC ACID ; CAS No. : 144-62-7)
Exposure route : Oral
Species : Rat
Effective dose : 375 mg/kg

Acute dermal toxicity

Parameter : LD50 (OXALIC ACID ; CAS No. : 144-62-7)
Exposure route : Dermal
Species : Rabbit
Effective dose : 20000 mg/kg

Specific symptoms in animal studies

No data available

Irritant and corrosive effects

Assessment/classification

Causes serious eye damage. Causes severe burns.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

No indication of human carcinogenicity.

Germ cell mutagenicity/Genotoxicity

In vivo mutagenicity

Other information

No experimental indications of in vivo mutagenicity exist.

Human toxicological data

Other information

No indications of human germ cell mutagenicity exist.

Reproductive toxicity

Practical experience/human evidence

No indications of human reproductive toxicity exist.

Overall Assessment on CMR properties

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Acute (short-term) fish toxicity

Parameter : LC50 (OXALIC ACID ; CAS No. : 144-62-7)
Species : Fish
Effective dose : 160 mg/l
Exposure time : 48 h

Acute (short-term) daphnia toxicity

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

(EN / D)

Trade name : Lithofin MPP

Revision date : 20.02.2015

Version : 0.0.1

Print date : 05.03.2015

Page : 7 / 8

Parameter : EC50 (OXALIC ACID ; CAS No. : 144-62-7)
Species : Daphnia
Effective dose : 162,2 mg/l
Exposure time : 48 h
Method : OECD 202

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

No data available

Biodegradation

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

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

No data available

12.7 Further ecological information

Additional information

The product has not been tested.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Dispose according to legislation.

Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product

Waste code (91/689/EEC) : 06 01 06*

Waste treatment options

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 resulting from actual use.

SECTION 14: Transport information

14.1 UN number

No dangerous goods in sense of this transport regulation.

14.2 UN proper shipping name

No dangerous goods in sense of this transport regulation.

14.3 Transport hazard class(es)

No dangerous goods in sense of this transport regulation.

14.4 Packing group

No dangerous goods in sense of this transport regulation.

14.5 Environmental hazards

No dangerous goods in sense of this transport regulation.

14.6 Special precautions for user

None

SECTION 15: Regulatory information

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

(EN / D)

Trade name : Lithofin MPP

Revision date : 20.02.2015
Print date : 05.03.2015

Version : 0.0.1
Page : 8 / 8

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

National regulations

Observe in addition any national regulations!

Water hazard class (WGK)

Class : 1 (Slightly hazardous to water) Classification according to VwVwS

Other regulations, restrictions and prohibition regulations

VOCV-Regulation (CH)

Maximum VOC content (Switzerland) : < 3 Wt % according to VOCV

15.2 Chemical Safety Assessment

No information available.

SECTION 16: Other information

16.1 Indication of changes

None

16.2 Abbreviations and acronyms

None

16.3 Key literature references and sources for data

None

16.4 Relevant R-, H- and EUH-phrases (Number and full text)

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

R21/22 Harmful in contact with skin and if swallowed.

16.5 Training advice

None

16.6 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.