

1 Identification of substance:

Product details:

Trade name: Lithofin MPP

Application of the substance / the preparation Cleaning agent / cleaner

Distributor:

GranQuartz, L. P.
P.O. Box 2206
Tucker, GA 30085-2206/USA

Information Department:

see above

Emergency Information:

information department

24-Hour Emergency Telephone Number:

1-800-255-3924 (USA & Canada) or 813-248-0585

2 Composition/Data on components:

Chemical characterization

Mixture of the substances listed below with non hazardous additions.

Dangerous components:

144-62-7 oxalic acid 50-100 %

RTECS: RO 2450000

TSCA

All ingredients are listed.

3 Hazards identification

Hazard description: Harmful

Information pertaining to particular dangers for man and environment

May be irritant to eyes, respiratory tract, skin and mucous membranes.

Harmful in contact with skin and if swallowed.

NFPA ratings (scale 0-4)

Health = 2

Fire = 0

Reactivity = 0

Special: Acid

4 First aid measures

General information

Personal protection for the First Aider.

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

After inhalation

Remove victim from contaminated area. If breathing is difficult, give oxygen. If breathing stops, provide artificial respiration. Call a doctor.

After skin contact

At first remove dust mechanically.

Clean effected skin thoroughly with water and a mild cleansing agent.

No residues shall remain on the skin.

After eye contact

Rinse opened eye for several minutes under running water.
Seek medical treatment.

After swallowing

Rinse out mouth and then drink plenty of water.
Do not induce vomiting
Never give anything by mouth to a unconscious person.
Seek medical treatment.

Information for doctor

The following symptoms may occur:

Irritation of eyes and mucous membrane.
After inhalation:
Oedema of the lungs

5 Fire fighting measures

Suitable extinguishing agents

Foam
Extinguishing powder
Carbon dioxide
Sand

Use fire fighting measures that suit the environment.

For safety reasons unsuitable extinguishing agents Water with full jet.

Special hazards caused by the material, its products of combustion or resulting gases:

Dangerous decomposition products see chapter 10: stability and reactivity

Protective equipment:

Wear self-contained respiratory protective device.

Additional information

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.
Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental release measures

Person-related safety precautions:

Ensure adequate ventilation
Wear protective clothing.
Keep unprotected persons away.
Use respiratory protective device against the effects of fumes/dust/aerosol.

Measures for environmental protection:

Do not allow product to reach sewage system or any water course.
Do not allow to penetrate the ground/soil.

Measures for cleaning/collecting:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Use neutralizing agent.
Send for recovery or disposal in suitable receptacles.
Dispose contaminated material as waste according to item 13.

7 Handling and storage

Handling

Information for safe handling:

Use only in well ventilated areas.
Prevent formation of dust.
Avoid inhalation of dust.
Avoid contact with eyes and skin.

Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

Storage

Requirements to be met by storerooms and receptacles:

Store receptacles tightly closed at a cool and dry place with sufficient ventilation

Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from feed.

Further information about storage conditions: None.

Storage class 11 Combustible solids

8 Exposure controls and personal protection

Additional information about design of technical systems:

No further data; see item 7.

Components with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information:

The lists that were valid during the creation were used as basis.

Personal protective equipment

General protective and hygienic measures

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Do not inhale dust / smoke / mist.

Do not eat or drink while working.

Use skin protection cream for skin protection.

The usual protective measures based on the application have to be followed.

All protective equipment used shall be according to 29 CFR.1910 Subpart I Personal Protective Equipment

Breathing equipment:

Not necessary if room is well-ventilated.

At formation of dust:

Short term filter device:

Filter P2.

A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

Protection of hands:

Wear chemically resistant protective gloves (tested according to DIN EN 374)

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

After use of gloves apply skin-cleaning agents and skin cosmetics.

Material of gloves

For not dissolved solid substances following materials may be suitable:

Polychloropren rubber (CR)

Nitrile rubber, NBR

Butyl rubber, BR

Fluorocarbon rubber (FKM)

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Chemical safety goggles

Body protection: Acid resistant protective clothing

9 Physical and chemical properties:

General Information

Form: Powder
Color: Whitish
Odor: Pungent

	<u>Value/Range</u>	<u>Unit</u>	<u>Method</u>
Change in condition			
Melting point/Melting range:	undetermined		
Boiling point/Boiling range:	undetermined		
Flash point:	Not applicable		
Ignition temperature:			
Decomposition temperature:	102 °C		
Auto igniting:	Product is not self igniting.		
Danger of explosion:	Product does not present an explosion hazard.		
Density:	Not determined		
Bulk density:	at 20 °C ~ 1 kg/l		
Solubility in / Miscibility with Water:	Partly soluble		
pH-value:	not applicable		

10 Stability and reactivity

Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.
To avoid thermal decomposition do not overheat.

Materials to be avoided:

Oxidants
Alkalies

Dangerous reactions

Risk of dust explosion
Reactions with above-mentioned substances

Dangerous products of decomposition: Carbon monoxide and carbon dioxide

11 Toxicological information

Acute toxicity:

LD/LC50 values that are relevant for classification:

144-62-7 oxalic acid

Oral: LDLo: 1000 mg/kg (dog)

LD50: 375 mg/kg (rat)

Dermal:LD50: 20000 mg/kg (rabbit)

Primary irritant effect:

on the skin:

Irritation to skin and mucous membrane possible.
Product dust is irritating the upper respiratory tract.

on the eye: Irritation to the eyes is possible.

Sensitization: No sensitizing effects known.

Additional toxicological information:

The product shows the following dangers according to internationally approved calculation methods for preparations: Harmful

12 Ecological information:

Ecotoxicological effects:

Acquatic toxicity:

Presently there are no ecotoxicological values available.

Remark: Harmful effects possible due to shift of pH value.

General notes:

Water hazard class 1 (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Danger to drinking water is possible if large quantities leak into the ground or into water course.

13 Disposal considerations

Product:

Recommendation

Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Disposal according to instructions of local authorities.

Uncleaned packagings:

Recommendation:

Disposal must be made according to official regulations.

14 Transport information

DOT regulations:

Hazard class: -

No hazardous material according to the regulations

Land transport ADR/RID (cross-border)

ADR/RID class: -

No hazardous material according to the regulations

Maritime transport IMDG:

IMDG Class: -

No hazardous material according to the regulations

Marine pollutant: No

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: -

No hazardous material according to the regulation

15 Regulations

Carcinogenicity categories

EPA (Environmental Protection Agency)

void

IARC (International Agency for Research on Cancer)

void

NTP (National Toxicology Program)

void

TLV (Threshold Limit Value established by ACGIH)

Aluminium oxide: A4

MAK (German Maximum Workplace Concentration)

Aluminium oxide: 2

NIOSH-Ca (National Institute for Occupational Safety and Health)

void

OSHA-Ca (Occupational Safety & Health Administration)

void

Markings according to EU guidelines:

The product has been classified and marked in accordance with directives on hazardous materials.

Code letter and hazard designation of product: Harmful

Hazard-determining components of labelling: oxalic acid

Risk phrases: Harmful in contact with skin and if swallowed.

Safety phrases:

Keep out of the reach of children.

Avoid contact with skin and eyes.

Wear suitable protective clothing, gloves and eye/face protection.

If swallowed, seek medical advice immediately and show this container or label.

Regulation or reporting requirements USA

Sara section 355

not listed

Sara section 313

Aluminium oxyde

Prop. 65 - Cancer

not listed

rop. 65 - Repr. tox.

not listed

16 Other information:

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

Department issuing MSDS:

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