

Lithofin FZ Intensive Cleaner

1 Identification of substance:

Product details:

Trade name: Lithofin FZ Intensive Cleaner

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

Description: Alkaline cleaner

Dangerous components:

1310-73-2 sodium hydroxide 2.5-10 %

111-76-2 2-butoxyethanol 2.5-10 %

RTECS: KJ 8575000

68131-39-5 Isotridecanoethoxylat 2.5-10 %

67-63-0 propan-2-ol < 2.5 %

RTECS: NT 8050000

Fatty alcohol ethoxylated < 2.5 %

1310-58-3 potassium hydroxide < 2.5 %

RTECS: TT 2102000

TSCA

7732-18-5 water, distilled, conductivity or of similar purity

1310-73-2 sodium hydroxide

111-76-2 2-butoxyethanol

67-63-0 propan-2-ol

527-07-1 sodium gluconate

3 Hazards identification

Hazard description: Corrosive

Information pertaining to particular dangers for man and environment

Acid burns have to treated immediately, as it may otherwise cause badly curing wounds.

Causes burns.

NFPA ratings (scale 0-4)

Health = 2

Fire = 0

Reactivity = 0

Special: Alk

4 First aid measures

General information

Personal protection for the First Aider.
Immediately remove any clothing soiled by the product.

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

Take-off and remove wetted clothing, shoes and stocking immediately.
Rinse affected parts of the body with plenty of water.
Immediate medical treatment necessary. Failure to treat burns can prevent wounds from healing.

After eye contact

First check the victim for contact lenses and remove if present.
Protect unharmed eye.
Rinse the eyes with open eyelids for 10 - 15 minutes with water. Then consult an eye specialist immediately.

After swallowing

Do not induce vomiting
Drink plenty of water, but never give anything to an unconscious person.
Seek medical treatment.

Information for doctor

Treatment

In cases of irritation to the lungs, initial treatment with Dexametason metered aerosol.
Symptomatic treatment

5 Fire fighting measures

Suitable extinguishing agents

The product is not combustible and does not support combustion.
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:

No hazards known

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.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to penetrate the ground/soil.
In case of seepage into the ground inform responsible authorities.

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.

Avoid contact with eyes and skin.

Avoid inhalation of vapours.

Information about protection against explosions and fires:

No special measures required.

Storage

Requirements to be met by storerooms and receptacles:

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

Provide alkali-resistant floor.

Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from feed.

Further information about storage conditions:

Keep receptacle tightly sealed.

Storage class 8 Corrosive products (VCI)

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:

111-76-2 2-butoxyethanol

PEL: 240 mg/m³, 50 ppm
Skin

REL: 24 mg/m³, 5 ppm
Skin

TLV: 97 mg/m³, 20 ppm

67-63-0 propan-2-ol

PEL: 980 mg/m³, 400 ppm

REL: short-term value: 1225 mg/m³, 500 ppm
long-term value: 980 mg/m³, 400 ppm

TLV: short-term value: 984 mg/m³, 400 ppm
long-term value: 492 mg/m³, 200 ppm

1310-58-3 potassium hydroxide

REL: 2 mg/m³

TLV: short-term value: C 2 mg/m³

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.

Do not eat or drink while working.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with eyes and skin absolutely.

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.

Lithofin FZ Intensive Cleaner

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:

Alkali-resistant gloves

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

Nitrile rubber, NBR

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:

Tightly sealed goggles.

If splashing of the product is possible wear full face protection.

Body protection: Alkali-resistant protective clothing

9 Physical and chemical properties:**General Information**

Form: Liquid

Color: Yellowish

Odor: Pleasant

	<u>Value/Range</u>	<u>Unit</u>	<u>Method</u>
Change in condition			
Melting point/Melting range:	undetermined		
Boiling point/Boiling range:	> 90 °C		
Flash point:	> 65 °C		
Auto igniting:	Product is not self igniting.		
Danger of explosion:	Product does not present an explosion hazard.		
Density:	at 20 °C ~ 1.1	g/cm ³	
Solubility in / Miscibility with Water:	Fully miscible		
pH-value:	at 20 °C < 12	in delivery state	

10 Stability and reactivity**Thermal decomposition / conditions to be avoided:**

No decomposition if used and stored according to specifications.

Materials to be avoided: Metals

Dangerous reactions Reacts with metals forming hydrogen

Dangerous products of decomposition:

No dangerous decomposition products known

11 Toxicological information

Acute toxicity:

LD/LC50 values that are relevant for classification:

Lithofin FZ Intensive Cleaner

No toxicity data are available for the product itself.

1310-73-2 sodium hydroxide

Oral: LD50: 2000 mg/kg (rat)

Primary irritant effect:

on the skin: Caustic effect on skin and mucous membranes.

on the eye: Caustic effect

Sensitization: No sensitizing effects known.

Additional toxicological information:

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

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of oesophagus and stomach.

12 Ecological information:**Ecotoxic effects:****Acquatic toxicity:**

Presently there are no ecotoxicological values available.

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

General notes:

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

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.

Non contaminated packaging can be used for recycling.

14 Transport information**DOT regulations:**

Hazard class: 8

Identification number: UN1719

Packing group: III

Proper shipping name (technical name):

CAUSTIC ALKALI LIQUID, N.O.S. (SODIUM HYDROXIDE,
POTASSIUM HYDROXIDE)

Label 8

Land transport ADR/RID (cross-border)

ADR/RID class: 8 (C5) Corrosive substances

Danger code (Kemler): 80

UN-Number: 1719

Packaging group: III

Label 8

Description of goods: 1719 CAUSTIC ALKALI LIQUID, N.O.S. (SODIUM HYDROXIDE,
POTASSIUM HYDROXIDE)

Maritime transport IMDG:

IMDG Class: 8

UN Number: 1719

Label 8

Lithofin FZ Intensive Cleaner

Packaging group: III
EMS Number: F-A,S-B
Marine pollutant: No
Proper shipping name: CAUSTIC ALKALI LIQUID, N.O.S. (SODIUM HYDROXIDE, POTASSIUM HYDROXIDE)

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: 8
UN/ID Number: 1719
Label 8
Packaging group: III
Proper shipping name: CAUSTIC ALKALI LIQUID, N.O.S. (SODIUM HYDROXIDE, POTASSIUM HYDROXIDE)

15 Regulations**Carcinogenicity categories****EPA (Environmental Protection Agency)**

void

IARC (International Agency for Research on Cancer)

67-63-0 propan-2-ol: 3

102-71-6 2,2',2"-nitrotriethanol: 3

diethanolamine: 3

NTP (National Toxicology Program)

void

TLV (Threshold Limit Value established by ACGIH)

void

MAK (German Maximum Workplace Concentration)

void

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

void

OSHA-Ca (Occupational Safety & Health Administration)

void

Markings according to EU guidelines:**Code letter and hazard designation of product:** Corrosive**Hazard-determining components of labelling:**

sodium hydroxide

potassium hydroxide

Risk phrases: Causes burns.**Safety phrases:**

Keep locked up and out of the reach of children.

Avoid contact with eyes.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.

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

In case of accident or if you feel unwell, seek medical advice immediately.

If swallowed, rinse mouth with water (only if the person is conscious)

Regulation or reporting requirements USA**Sara section 355**

not listed

Sara section 313

67-63-0 propan-2-ol

Prop. 65 - Cancer

Lithofin FZ Intensive Cleaner

not listed

Prop. 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:

KFT-Chemieservice Marienstr. 3 D-64347 Griesheim

Postfach 1451 D-64345 Griesheim

Tel.: +49-6155-823241

Fax: +49-6155-823246

Contact: Angelika Torges
