

## **1 Identification of substance:**

### **Product details:**

**Trade name:** Lithofin OIL-EX

**Application of the substance / the preparation:** 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**

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## **2 Composition/Data on components:**

### **Chemical characterization**

**Description:** Solvent based cleaner

### **Dangerous components:**

64742-82-1	Naphta, hydrodesulfurized heavy with < 1%benzene	90 %
1330-20-7	xylene, mixed isomers, pure RTECS: ZE 2100000	2.5-10 %
95-63-6	1,2,4-trimethylbenzene	< 2.5 %
100-41-4	ethylbenzene RTECS: DA 0700000	< 2.5 %

### **Additional information**

Benzene < 0,1 %

For further components with limit values which require monitoring at the workplace please see chapter 8.

### **TSCA**

1330-20-7 xylene, mixed isomers, pure  
95-63-6 1,2,4-trimethylbenzene  
100-41-4 ethylbenzene  
112926-00-8 Silica, amorphous  
64742-82-1 naphtha (petroleum), hydrodesulfurized heavy

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## **3 Hazards identification**

**Hazard description:** Dangerous for the environment

### **Information pertaining to particular dangers for man and environment**

Flammable.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

### **Classification system**

The classification is in line with internationally approved calculation standards. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

### **NFPA ratings (scale 0-4)**

Health = 2  
Fire = 3  
Reactivity = 0

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## **4 First aid measures**

**General information**

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**

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 mouth with water.

Do not induce vomiting

Seek medical treatment.

If vomiting occurs spontaneously: Hold the head of the casualty low with the body in a prone position in order to avoid penetration of vomit into the air tube.

If babies/toddlers are concerned always consult a physician or the local Poison Information Centre.

**Information for doctor**

**Treatment** Symptomatic treatment

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**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.

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**6 Accidental release measures**

**Person-related safety precautions:**

Ensure adequate ventilation

Wear protective clothing.

Keep unprotected persons away.

**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 non-combustible material like sand, soil, diatomite.

Ensure adequate ventilation.

Send for recovery or disposal in suitable receptacles.

Dispose contaminated material as waste according to item 13.

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**7 Handling and storage**

**Handling**

**Information for safe handling:**

Use only in well ventilated areas.  
Avoid contact with eyes and skin.  
Keep receptacles tightly sealed.  
Use solvent-proof equipment.  
Avoid inhalation of vapours.

**Information about protection against explosions and fires:**

Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.

**Storage**

**Requirements to be met by storerooms and receptacles:**

Store receptacles tightly closed at a cool and dry place with sufficient ventilation  
Provide solvent resistant, sealed floor.  
Prevent any seepage into the ground.

**Information about storage in one common storage facility:**

Store away from foodstuffs.  
Store away from feed.

**Further information about storage conditions:** None.

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**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:**

112926-00-8 Silica, amorphous

PEL: Short-term value: 80 mg/m<sup>3</sup>  
as % SiO<sub>2</sub>

REL: 6 mg/m<sup>3</sup>

TLV: 10 mg/m<sup>3</sup> (e)

1330-20-7 xylene, mixed isomers, pure

PEL: 435 mg/m<sup>3</sup>, 100 ppm

REL: Short-term value: 655 mg/m<sup>3</sup>, 150 ppm  
Long-term value: 435 mg/m<sup>3</sup>, 100 ppm  
(o-, m-, & p-isomers)

TLV: Short-term value: 651 mg/m<sup>3</sup>, 150 ppm  
Long-term value: 434 mg/m<sup>3</sup>, 100 ppm  
BEI

95-63-6 1,2,4-trimethylbenzene

REL: 125 mg/m<sup>3</sup>, 25 ppm

TLV: 123 mg/m<sup>3</sup>, 25 ppm

100-41-4 ethylbenzene

PEL: 435 mg/m<sup>3</sup>, 100 ppm

REL: Short-term value: 545 mg/m<sup>3</sup>, 125 ppm  
Long-term value: 435 mg/m<sup>3</sup>, 100 ppm

TLV: Short-term value: 543 mg/m<sup>3</sup>, 125 ppm  
Long-term value: 434 mg/m<sup>3</sup>, 100 ppm  
BEI

**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.

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Short term filter device:

Filter A

NIOSH/MSHA-approved respirator

**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**

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:** Protective work clothing.

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**9 Physical and chemical properties:**

**General Information**

**Form:** Pasty

**Color:** Whitish

**Odor:** Aromatic

**Change in condition**

**Melting point/Melting range:**

**Value/Range Unit Method**

undetermined

**Boiling point/Boiling range:**

> 130 °C

**Flash point:**

> 23 °C

**Auto igniting:**

Product is not self igniting.

**Danger of explosion:**

Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

**Explosion limits:**

**Lower:**

~ 0.6 Vol %

**Upper:**

~ 8.0 Vol %

**Density:**

at 20 °C ~ 0.8 g/cm<sup>3</sup>

**Solubility in / Miscibility with**

**Water:**

Insoluble

**Viscosity:**

**dynamic:**

at 20 °C > 30 s

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**10 Stability and reactivity**

**Thermal decomposition / conditions to be avoided:**

No decomposition if used and stored according to specifications.

**Dangerous reactions** No dangerous reactions known

**Dangerous products of decomposition:**

In the case of fire or at high temperatures the formation of the following decomposition products is possible: Carbon monoxide and carbon dioxide

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**11 Toxicological information**

**Acute toxicity:**

**LD/LC50 values that are relevant for classification:**

100-41-4 ethylbenzene

Oral: LD50: 3500 mg/kg (rat)

Dermal: LD50: 17800 mg/kg (rabbit)

1330-20-7 xylene, mixed isomers, pure

Oral: LD50: 4300 mg/kg (rat)

Dermal: LD50: 2000 mg/kg (rabbit)

Inhalative: LC50/4 h: 6350 mg/l (rat)

**Primary irritant effect:**

**on the skin:**

Prolonged or repeated exposure may cause slight skin irritation.

**on the eye:** No irritating effect.

**Sensitization:** No sensitizing effects known.

**Additional toxicological information:**

Inhalation of concentrated vapours as well as oral intake will lead to anaesthesia-like conditions and headache, dizziness, etc.

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**12 Ecological information:**

**Ecotoxicological effects:**

**Acquatic toxicity:**

Presently there are no ecotoxicological values available.

**Remark:**

Toxic for fish

Toxic for water fleas

Toxic for algae

**General notes:**

Follow the instructions for use of the producer or supplier.

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.

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**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.

**Unclean packaging:**

**Recommendation:**

Disposal must be made according to official regulations.

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**14 Transport information**

**DOT regulations:**

**Hazard class:** 3

**Identification number:** UN1993

**Packing group:** III  
**Proper shipping name (technical name):** FLAMMABLE LIQUID, N.O.S. (naphtha (petroleum), hydrodesulphurized heavy)  
**Label** 3

**Land transport ADR/RID (cross-border)**  
**ADR/RID class:** 3 (F1) Flammable liquids  
**Danger code (Kemler):** 30  
**UN-Number:** 1993  
**Packaging group:** III  
**Label** 3  
**Description of goods:** 1993 FLAMMABLE LIQUID, N.O.S., special provision 640E (naphtha (petroleum), hydrodesulphurized heavy)

**Maritime transport IMDG:**  
**IMDG Class:** 3  
**UN Number:** 1993  
**Label** 3  
**Packaging group:** III  
**EMS Number:** F-E S-E  
**Marine pollutant:** No  
**Proper shipping name:** FLAMMABLE LIQUID, N.O.S. (naphtha (petroleum), hydrodesulphurized heavy)

**Air transport ICAO-TI and IATA-DGR:**  
**ICAO/IATA Class:** 3  
**UN/ID Number:** 1993  
**Label** 3  
**Packaging group:** III  
**Proper shipping name:** FLAMMABLE LIQUID, N.O.S. (naphtha (petroleum), hydrodesulphurized heavy)

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## **15 Regulations**

### **Carcinogeny categories**

#### **EPA (Environmental Protection Agency)**

1330-20-7 xylene, mixed isomers, pure: D

100-41-4 ethylbenzene: D

#### **IARC (International Agency for Research on Cancer)**

112926-00-8 Silica, amorphous: 3

1330-20-7 xylene, mixed isomers, pure: 3

100-41-4 ethylbenzene: 2B

#### **NTP (National Toxicology Program)**

void

#### **TLV (Threshold Limit Value established by ACGIH)**

1330-20-7 xylene, mixed isomers, pure: A4

#### **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:**

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

### **Code letter and hazard designation of product:**

Dangerous for the environment

**Risk phrases:**

Flammable.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

**Safety phrases:**

Keep out of the reach of children.

Do not breathe fumes

Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point

Wear suitable protective clothing.

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**

1330-20-7 xylene, mixed isomers, pure

95-63-6 1,2,4-trimethylbenzene

100-41-4 ethylbenzene

**Prop. 65 - Cancer**

not listed

**Prop. 65 - Repr. tox.**

not listed

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**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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