

## Lithofin MN Stain-Stop

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### **1 Identification of substance:**

**Product details:**

**Trade name:** Lithofin MN Stain-Stop

**Application of the substance / the preparation** Impregnator

**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 impregnator

**Dangerous components:**

64742-82-1 Naphta, (petroleum), hydrodesulfurized heavy	50-100 %
67-63-0 propan-2-ol	2.5-10 %
RTECS: NT 8050000	
123-86-4 n-butyl acetate	2.5-10 %
RTECS: AF 7350000	

**Additional information** Benzene < 0,1 %

**TSCA**

All ingredients are listed.

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### **3 Hazards identification**

**Hazard description:**

Harmful

Highly flammable

Dangerous for the environment

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

Highly flammable.

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

Harmful: may cause lung damage if swallowed.

Vapours may cause drowsiness and dizziness

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

Health = 2

Fire = 4

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 affected skin thoroughly with water and a mild cleansing agent.

No residues shall remain on the skin.

If skin irritation continues, consult a doctor.

##### **After eye contact**

Rinse opened eye for several minutes under running water.

If symptoms persist consult a doctor.

##### **After swallowing**

Do not induce vomiting; immediately call for medical help.

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 (danger of aspiration).

##### **Information for doctor**

##### **Treatment**

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

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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:**

Formation of toxic gases is possible during heating or in case of fire.

##### **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  
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.

**Storage class** 3A Flammable liquid

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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:**

67-63-0 propan-2-ol

PEL: 980 mg/m<sup>3</sup>, 400 ppm  
REL: short-term value: 1225 mg/m<sup>3</sup>, 500 ppm  
long-term value: 980 mg/m<sup>3</sup>, 400 ppm  
TLV: short-term value: 984 mg/m<sup>3</sup>, 400 ppm  
long-term value: 492 mg/m<sup>3</sup>, 200 ppm

123-86-4 n-butyl acetate

PEL: 710 mg/m<sup>3</sup>, 150 ppm  
REL: short-term value: 950 mg/m<sup>3</sup>, 200 ppm  
long-term value: 710 mg/m<sup>3</sup>, 150 ppm  
TLV: short-term value: 950 mg/m<sup>3</sup>, 200 ppm  
long-term value: 713 mg/m<sup>3</sup>, 150 ppm

#### **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.

**Lithofin MN Stain-Stop**

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.

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

**Form:** Liquid

**Color:** Colorless, clear

**Odor:** Aromatic

	<u>Value/Range</u>	<u>Unit</u>	<u>Method</u>
<b>Change in condition</b>			
<b>Melting point/Melting range:</b>	undetermined		
<b>Boiling point/Boiling range:</b>	> 110 °C		
<b>Flash point:</b>	> 23 °C		
<b>Auto igniting:</b>	Product is not selfigniting.		
<b>Danger of explosion:</b>	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.		
<b>Explosion limits:</b>			
<b>Lower:</b>	~ 0.6 Vol %		
<b>Upper:</b>	~ 12.0 Vol %		
<b>Density:</b>	at 20 °C	~ 0.8 g/cm <sup>3</sup>	
<b>Solubility in / Miscibility with Water:</b>	Insoluble		
<b>Viscosity:</b>			
<b>dynamic:</b>	at 20 °C	< 30 s	
<b>Additional information:</b>	VOC-Content: 741,2		

**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

**Lithofin MN Stain-Stop****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:**

No toxicity data are available for the product itself.

**Primary irritant effect:**

**on the skin:** Repeated contact has a drying effect on the skin.

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

**Sensitization:** No sensitizing effects known.

**Additional toxicological information:**

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

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

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

Presently there are no ecotoxicological values available.

**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.

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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.

**Uncleaned packagings:****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:** II

**Proper shipping name (technical name):**

FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL (ISOPROPYL ALCOHOL), BUTYL ACETATES)

**Label** 3

**Land transport ADR/RID (cross-border)**

**ADR/RID class:** 3 (F1) Flammable liquids

**Danger code (Kemler):** 33

**UN-Number:** 1993

**Packaging group:** II

**Label** 3

**Description of goods:** 1993 FLAMMABLE LIQUID, N.O.S., special provision 640D (ISOPROPANOL (ISOPROPYL ALCOHOL), BUTYL ACETATES)

**Lithofin MN Stain-Stop****Maritime transport IMDG:**

**IMDG Class:** 3  
**UN Number:** 1993  
**Label** 3  
**Packaging group:** II  
**EMS Number:** F-E,S-E  
**Marine pollutant:** No  
**Proper shipping name:** FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL (ISOPROPYL ALCOHOL), BUTYL ACETATES)

**Air transport ICAO-TI and IATA-DGR:**

**ICAO/IATA Class:** 3  
**UN/ID Number:** 1993  
**Label** 3  
**Packaging group:** II  
**Proper shipping name:** FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL (ISOPROPYL ALCOHOL), BUTYL ACETATES)

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

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

71-36-3 butan-1-ol: D

100-41-4 ethylbenzene: D

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

67-63-0 propan-2-ol: 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

77-58-7 dibutyltin dilaurate: 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:**

Harmful

Highly flammable

Dangerous for the environment

**Hazard-determining components of labelling:**

Naphta, (petroleum), hydrodesulfurized heavy

**Risk phrases:**

Highly flammable.

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

Harmful: may cause lung damage if swallowed.

Vapours may cause drowsiness and dizziness

**Safety phrases:**

Keep out of the reach of children.

## Lithofin MN Stain-Stop

Keep container tightly closed.

Keep away from sources of ignition - No smoking.

Do not breathe fumes

Avoid contact with skin.

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

If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label

### **Regulation or reporting requirements USA**

#### **Sara section 355**

not listed

#### **Sara section 313**

67-63-0 propan-2-ol

#### **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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