

1 Identification of substance:

Product details:

Trade name: Lithofin Stainstop PLUS

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

2 Composition/Data on components:

Chemical characterization

Description: Solvent based impregnator

Dangerous components:

| | | |
|-------------|---|----------|
| 64742-82-1 | Naphta, (petroleum), hydrodesulfurized heavy | 50-100 % |
| 183815-50-1 | Poly[3-((2-aminoethyl)aminopropyl)methoxy (dimethyl)methyl(methoxy)siloxan | 2.5-10 % |
| 123-86-4 | n-butyl acetate RTECS: AF 7350000 | 2.5-10 % |
| 17980-47-1 | Silane, triethoxy(2-methylpropyl)- | 2.5-10 % |

Additional information Benzene < 0,1 %

TSCA

| | |
|------------|--|
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| 123-86-4 | n-butyl acetate |
| 17980-47-1 | Silane, triethoxy(2-methylpropyl)- |

3 Hazards identification

Hazard description:

Harmful

Dangerous for the environment

Information pertaining to particular dangers for man and environment

Flammable

Irritating to eyes.

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 = 2

Reactivity = 0

4 First aid measures

General information

Lithofin Stainstop PLUS

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.

If skin irritation continues, consult a doctor.

After eye contact

First check the victim for contact lenses and remove if worn.

Rinse the eyes with open eyelids for 10 - 15 minutes with water. Then consult an eye specialist immediately.

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.

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.

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.

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

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:

123-86-4 n-butyl acetate

PEL: 710 mg/m³, 150 ppm

REL: Short-term value: 950 mg/m³, 200 ppm
Long-term value: 710 mg/m³, 150 ppm

TLV: Short-term value: 950 mg/m³, 200 ppm
Long-term value: 713 mg/m³, 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.

Short term filter device:

Filter A

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.

Lithofin Stainstop PLUS**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 trough 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> |
|--|--|-------------|-------------------|
| Change in condition | | | |
| Melting point/Melting range: | undetermined | | |
| Boiling point/Boiling range: | > 130 | ° C | |
| Flash point: | 32 | ° C | |
| Auto igniting: | Product is not self igniting. | | |
| Danger of explosion: | Product is not explosive. However, formation of explosive air/vapour mixtures is possible. | | |
| Explosion limits: | | | |
| Lower: | ~ 0.6 | Vol % | |
| Upper: | ~ 8.0 | Vol % | |
| Density: | at 20 °C | ~ 0.8 | g/cm ³ |
| Solubility in / Miscibility with Water: | Insoluble | | |
| Viscosity: dynamic: | at 20 °C | < 30 | s ISO 2431/3mm |

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

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: Irritating effect.

Sensitization: No sensitizing effects known.

Lithofin Stainstop PLUS**Additional toxicological information:**

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

Harmful

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

12 Ecological information:**Ecotoxicological effects:****Acquatic 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.

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.

14 Transport information**DOT regulations:**

Hazard class: 3

Identification number: UN1993

Packing group: III

Proper shipping name (technical name):

FLAMMABLE LIQUID, N.O.S. (TURPENTINE SUBSTITUTE)

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 (TURPENTINE SUBSTITUTE)

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. (TURPENTINE SUBSTITUTE)

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: 3

UN/ID Number: 1993

Label 3

Packaging group: III

Lithofin Stainstop PLUS

Proper shipping name: FLAMMABLE LIQUID, N.O.S. (TURPENTINE SUBSTITUTE)

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)

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:

Harmful

Dangerous for the environment

Hazard-determining components of labelling:

Naphtha, (petroleum), hydrodesulphurized heavy

Risk phrases:

Flammable

Irritating to eyes and skin.

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.

Do not breathe fumes

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

Do not empty into drains.

Wear suitable protective clothing.

This material and its container must be disposed of as hazardous waste.

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

not listed

Prop. 65 - Cancer

not listed

Prop. 65 - Repr. tox.

not listed

Lithofin Stainstop PLUS

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
