

MATERIAL SAFETY DATA SHEET

314P Premium Impregnator



Section 1: IDENTIFICATION OF SUBSTANCE

Trade Name: 314P Premium Impregnator

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

Reviewed: 01/25/07

For additional product information call GranQuartz at **(800) 520-7223** or **(770) 621-9777** during regular business hours.

Section 2: COMPOSITION / DATA ON COMPONENTS

Chemical Characterization

Description : Solvent based impregnator.

Dangerous Components:
64742-82-1 Naphtha, (petroleum), hydrodesulphurized heavy (50-100%)
64741-65-7 Naphtha (petroleum), heavy alkylate (2.5-10%)

Additional Information:
Benzene (<0.1%)

TSCA 64742-82-1 Naphtha, (petroleum), hydrodesulphurized heavy
64741-65-7 Naphtha (petroleum), heavy alkylate

Section 3: HAZARDS IDENTIFICATION

Hazard Description: HARMFUL
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.
Harmful: may cause lung damage if swallowed.
Vapors may cause drowsiness and dizziness.

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.

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NFPA ratings (scale 0-4):

Health: 2
Fire: 3
Reactivity: 0

Section 4: FIRST AID MEASURES

General information:

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:

Clean affected 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 advice.

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

The following symptoms may occur: see chapter 11.

Section 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:

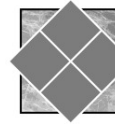
Wear self-contained respiratory protective device.

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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GranQuartz
Stone Care Systems

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

Section 7: HANDLING AND STORAGE

Handling

Information for safe handling:

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

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.

Storage class: 3A Flammable liquid.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about design of technical systems:

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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 work place.

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 in accordance with 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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Section 9: PHYSICAL AND CHEMICAL PROPERTIES

General Information

Form: Liquid
Color: Colorless
Odor: Aromatic

Value/Range Unit Method

Change in condition

Melting point/Melting range: undetermined
Boiling point/Boiling range: > 130 °C

Flash point: >23 °C

Auto igniting: Product is not selfigniting.

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/cm³

Solubility in / Miscibility with

Water: Insoluble

Viscosity:

Dynamic: at 20 °C < 30s

Additional information:

VOC-Content: 748.2

Section 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 high temperatures the formation of the following decomposition products is possible:
Carbon monoxide and carbon dioxide

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

Section 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.

Section 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.

Section 14: TRANSPORT INFORMATION

DOT regulations:

Hazard class: 3

Identification Number: UN1993

Packaging Group: III

Proper shipping name (technical name):

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

Label: 3

Remarks: No ERAP required.

Land transport ADR/RID (cross-border)

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ADR/RID class: 3 (F1) flammable liquids
Danger code (Kemler):30
UN-Number: 1993
Packaging Group: III
Description of Goods: FLAMMABLE LIQUID, N.O.S. (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

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

Section 15: REGULATORY INFORMATION

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)

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

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Hazard-determining components of labelling:

Naphtha, (petroleum), hydrodesulphurized heavy

Risk phrases:

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 or dizziness.

Safety phrases:

Keep out of the reach of children.
Keep away from food, drink and animal feedingstuffs.
Do not breathe fumes.
Avoid contact with skin.
Do not empty into drains.
Wear suitable protective clothing.
If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

National regulations

Technical instructions (air):

Class share in %

III 3.6

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

Section 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