GRAVITY

RESIN QUARTZ FLOORS

SAFETY DATA SHEET

Premium QUALITY

ECO FRIENDLY

FDA COMPLIANT

RoHS compliant

ISO 9001

ISO 16000

REACH COMPLIANCE

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1. Identification Of Substance

Product Details

Product Name: Polyaspartic polyurea resin

Products Use: Aggregate, flake, quartz, marble, granite and stone flooring system. Marble effect, protective top coating, insulation, carbon fiber products

/Supplied By: **GRAVITY RESIN QUARTZ FLOORS**

Agios Nikolaos Jct, Limassol 3105

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2. Hazards Identification

Since it is Eco-Friendly it has Zero-VOC

Emergency Overview: Not a hazardous substance or mixture according to Regulation (EC) No.1272/2008.
Not a hazardous substance or mixture according to
Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) as amended by Regulation (EU) 2020/878

GHS Classification: The products does not need to be labelled in accordance with EC directives or respective national laws.

Other hazards: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT),or very persistent and very bioaccumulative(vPvB) at levels of 0.1% or higher.

Potential Acute Health Effects

Eyes: Mildly irritating to eyes.

Skin: Prolonged or repeated skin contact can cause irritation.

Inhalation: May be irritating to upper respiratory tract.

Ingestion: Single does oral toxicity is considered to be extremely low. No hazards expected from swallowing small amounts incidental to normal handling operations. Ingestion may cause gastrointestinal irritation.

3. Standard concrete substrate conditions

- Strength: S-C20/+25.
- Humidity: W ≤ 5%.
- Temperature: 0-35 oC.
- Relative humidity: ≤ 85%.

* Property: Standard / Value
Classification: EN-13813:2002
Bond Strength: Meets or exceeds S-C20/+25 requirements
Chemical Resistance: Compliant with EN-13813 for resin screeds
Application: Temperature 0°C to 35°C

Certificates - Tested and compliant

- CE EN-13813:2002 *
- US FDA 21 CFR 175.300
- RoHS Directive (EU)2015/863 AnnexII
- REACH Regulation (EC) No. 1907/2006 (SGS Tested)
- EN 13892 - 2:2002
- ISO 16000:2010
- EN13892 - 8
- DIN 51130 (R11) (SGS Tested)

4. First aid Measures

Eye Contact: Immediately flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. Get medical attention.

Skin Contact: Wash with soap and water. If signs/symptoms develop, get medical attention.

Inhalation: Remove person to fresh air. Get medical attention.

Ingestion: Seek medical attention.

5. Fire Fighting Measures

Fire Fighting Media: This products is non flammable,if fire caused use like alcohol cleaner,please use Dry chemical, carbon dioxide, alcohol foam and water fog

Special Fire-Fighting Procedures: As in any fire, firefighters should wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH(approved or equivalent),and full protective gear.

6. Accidental Release Measures

Personal precautions, protective equipment and procedures : Evacuate area. Keep away from heat/sparks/ open flames/hot surface.- Use only non-sparking tools because of plastic bucket. Ventilate with fresh air. Refer to other section of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

Environmental precautions: Avoid release to the environment

Methods material for Containment and cleaning up: If possible, seal leaking container. Place leaking containers in a well-ventilated area, preferably an operating exhaust hood, or if necessary outdoors on an impermeable surface until appropriate packaging for the leaking container or its contents is available. Cover spill area with a fire-extinguishing foam. An appropriate aqueous film forming foam(AFFF) is recommended. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material .does not remove a toxic, corrosivity or

commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a toxic, corrosivity or flammability hazard. Collect as much of the spilled material as possible using non-sparking tools. Place in a metal container approved for transportation by a appropriate authorities. Clean up residue with an appropriate solvent selected by a qualified and authorised person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and Safety Data Sheet. Collect the resulting residue containing solution. Seal the container. Dispose of collected material as soon as possible.

7. Handling And Storage

Precautions for safe handling: Keep out of reach of children. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surface.-No smoking. Do not spray on an open flame or other ignition source. Pressurized container :Do not pierce or burn ,even after use .Do not breathe/dust/fume/gas/mist/vapours/spray Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid release to the environment. Avoid contact with oxidising agents (eg. chlorine, chromic acid etc.) Use personal protective equipment(eg. gloves, respirators) as required. Vapours may travel long distances along the ground or floor to an ignition source and flash back. Do not use in a confined area or areas with or no air movement.

Conditions for safe storage including any incompatibilities: Protect from sunlight. Do not expose to temperatures exceeding 50℃ / 122F. Store in a well-ventilated place. Keep

container tightly closed. Store away from acids. Store away from oxidising agents.

8.Exposure Controls And Personal Protection

Engineering controls:	Do not remain in area where available oxygen maybe reduced. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/spray. If ventilation is not adequate, use respiratory protection equipment.
Personal Protection Eyes:	Wear safety glasses with side shields. Wear additional eye protection such as chemical goggles or face shield if splashing or spraying hazard exists. Have an eye wash station available.
Body:	To prevent skin contact use coveralls, apron, boots, or lab coat.
Hands:	Avoid skin contact by using chemically resistant gloves.
Respiratory:	No respiratory protection required under normal conditions of use.Use local exhaust to control excessive vapors/mists. If excessive vapors or mists are persist use appropriate NIOSH/MSHA approved organic vapor/mist respirator.
Other:	Open wounds or skin surface disruptions should be covered with a chemical resistant patch to minimize absorption risks. Clean clothing should be worn daily to avoid possible long-term build up of the product leading to chronic overexposure.

9.Physical And Chemical Properties

General Information

Form:	Liquid
Color:	Transparent
Odor:	Slight amine smell

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Flash point:	446F 230℃
Density:	1.02-1.10g/cm
Viscosity:	30cps-40000cps/25˚C

10. Safety Instruction

Always wear protective gloves and glasses and avoid contact. May cause allergy. If the material comes in touch with your eye add a lot of water without touching. And get in touch with your doctor and seek medical advice.
The content is not flamable but keep away from heat/flames/sparks/hot surfaces because the bucket is plastic

11. Transport Information

ADR/RID: Not dangerous goods
IMDG: Not dangerous goods
IATA: Not dangerous goods

12. Regulations

Product related hazards information: Observe the general safety regulations when handling chemicals.

National regulations: All components of this product are listed in the EU Environmental Protection Agency Toxic Substances Control Act Chemical substance Inventory.

Information about limitation of Use: For use only by technically qualified individuals.

13. Disposal Considerations:

Product -Recommendation: Consult state, local or national regulations to ensure proper disposal.
Uncleaned Packagings -Recommendation: Disposal must be made according to official regulations.

14. Transport Information

UN number
ARD/RID: None IMDG: None IATA: None
UN proper shipping name
ADR/RID: Not dangerous goods
IMDG: Not dangerous goods
IATA: Not dangerous goods
Transport hazard class(es)
ADR/RID: None IMDG: None IATA: None
Packaging group
ADR/RID: None IMDG: None IATA: None
Environmental hazards
ADR/RID: No IMDG Marine pollutant: No IATA: No

15.Regulations

Product related hazards information:	Observe the general safety regulations when handling chemicals.
National regulations:	All components of this product are listed in the EU Environmental Protection Agency Toxic Substances Control Act Chemical substance Inventory.
Information about limitation of Use:	For use only by technically qualified individuals.

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.

STORAGE

12 months from production date, stored in original unopened packaging protected from direct sun exposure and frost. Storage temperature 0°C - 35°C.

TECHNICAL CHARACTERISTICS

Application temperature +0°C until +35°C. Temperature resistance -40°C until 120°C. Humidity ≤85% (RH) . Flooring drying time 8-12h (after 24h you can step on it) Parking drying time 24h, then need a top coat with roll with the same material without the quartz (after 5 days you can park on it)

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