

Safety Data Sheet

1. MANUFACTURED PRODUCT AND MANUFACTURER IDENTIFICATION

1.1. MANUFACTURED PRODUCT IDENTIFICATION

Commercial Name: Transparent glass
Commercial Format: Transparent glass fragments
Appearance: Vitreous structure, solid, transparent

1.2. MANUFACTURED PRODUCT USES For industrial purposes

1.3. MANUFACTURER IDENTIFICATION Camacho Recycling Group, S.L
Vereda de Santa Ana 12
ES-02660 Caudete (Albacete)
SPAIN -CEE MANUFACTURED-
Phone: +34 965826387

1.4. EMERGENCIES PHONE NUMBER +34 965826387

2. COMPOSITION / COMPONENT INFORMATION

Product Composition: Crystalyne Silica (Quartz)
CE Nr: 238-878-4
% p/p: 73,2
Danger classification: -
R Phrases: -

3. DANGER IDENTIFICATIONS

This manufactured product is not dangerous according to RD 255/2003

Danger to persons: The commercial presentation of transparent glass in a non-dispersible solid fragment form, such a variable granulometry depending on the product required by the client -always superior to 0,1 micron- discard the product to be breathed in, and therefore no pulmonary disease. In the case that quartz powder should be formed accidentally, this breathed in long-term may cause silicosis (pulmonary fibrosis) The product does not cause skin irritation. It may irritate eyes slightly together with redness and pain. The only predictable adverse effects would be those caused by the mechanical action of the glass itself.

Danger to the environment: No adverse effects are to be expected from this substance

Physical-chemical dangers: It reacts with oxidants and strong acids, such as hydrofluoric.

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4. FIRST AID

Need for medical assistance: In the case of adverse symptoms.

Kind of exposure taken	Actions to be taken
Contact with skin:	Wash the affected area with plenty of water
Contact with eyes:	Rinse eyes with plenty of water for at least 15 minutes. Lift eyelids to ensure a good rinse. Remove contact lenses if it is possible to do without difficulty. See a doctor.
Swallowing:	In case of swallowing of fragments of glass, wash out mouth and see a doctor immediately.
Inhalation:	This case is highly improbable as the product is not commercialized in a powder format. In case of powder forming, move the affected individual outside to breathe fresh air and rest sitting up. If the affected individual finds it difficult to breathe, call a doctor.
Special measures to be taken at the workplace:	Showers and eye-wash available.

5. FIRE SAFETY MEASURES

Appropriate fire-extinguishing agents:

This product is not flammable

Special risks due to exposure to combustion products or toxic gas:

This product is not flammable nor explosive, nor does it produce hazardous thermal decomposition.

Special protection equipment for fire-fighting staff:

Security goggles should be worn in situations where it is possible to be exposed to product discharge, as well as appropriate clothes, gloves and shoes to protect skin.

6. MEASURES TO TAKE IN CASE OF ACCIDENTAL SPILLING

Personal precaution measures: Avoid powder forming. If it is formed, it is necessary to water down the area to avoid the powder spreading in the air, using a dust mask.

Environmental protection measures: Glass is considered to be an inert substance according to 2003/33/CE decision. When it becomes waste, it must be handled according to local health and safety rules and regulations.

Cleaning methods: Spade or similar mechanical tool, avoiding the formation of dust.

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7. HANDLING AND STORAGE

7.1. Handling:

Avoid to breathing in powder in the event of any being formed and use appropriate equipment in the event of surpassing safe working levels.
Avoid contact with eyes.
Always use recommended protection clothing.

7.2. Storage:

Recommended material: paper or plastic bags, bulk-bags or containers.
Incompatible materials: unknown.
Storage conditions: keep in a cool, dry, ventilated area.
Temperature and humidity range/limits: — none —
Application rules and regulations: — none —

7.3. Specific uses:

Avoid powder forming.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Exposure limits and ranges:

VLA-ED Quartz	0,1 mg/m ³ (breathable fraction)	INSHT 2005
TLV-TWA Quartz	0,1 mg/m ³ (breathable dust)	ACGHIH 1990-1991

8.2. Exposure control:

8.2.1. Professional exposure control:

8.2.1.1. Respiratory protection:

In the event of powder dispersing, use a self-filtering mask (EN 149)

8.2.1.2. Skin protection - Hands:

Use protection gloves to avoid cuts.

8.2.1.3. Eye protection:

Use safety goggles (EM 166)

8.2.2. Environmental exposure control:

Manage as an inert substance.

8.2.2.1. Measuring system: none

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9. CHEMICAL AND PHYSICAL PROPERTIES

9.1. General information

Appearance: Transparent solid

Odor: Odorless

9.2. Information related to health, safety and the environment

Ph: Not applicable

Boiling point/Range: Not applicable

Melting temperature/Range: 1300-1550 °C.

Flashpoint: Not applicable

Flammability: Not applicable

Oxidising properties: Not applicable

Vapor pressure (pa 20°C): Not applicable

Relative density (H₂O=1), 25°C: 2,66 (Quartz)

Water solubility (g/100ml. at 25°C): Insoluble

Partition coefficient (log K_o/W): Not applicable

Viscosity (cP): Not applicable

Vapor density (air=1): Not applicable

Evaporation rate: Not applicable

10. STABILITY AND REACTIVITY

Stable: X

Unstable: -

10.1. Conditions to avoid: none

10.2. Materials to avoid: Strong bases, hydrofluoric acid, extremely oxidant agents and substances that have fluoride in their composition.

10.3. Hazardous decomposition products: At high temperatures, the crystalline structure may vary.

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11. TOXICOLOGICAL INFORMATION -acute toxicity-

Inhalation: The commercial presentation of this product under study makes it highly improbable for it to enter the body through the respiratory tract and therefore the chance of developing any respiratory diseases.

Contact with skin: The substance is not classified as a skin irritant, although it can cause cuts and skin lesions as a result of mechanical action.

Contact with eyes: The product may cause eye lesions by mechanical action.

Ingestion: Adverse systemic effects are not to be expected in the case of the product entering the body orally. However, following ingestion of glass particles, these may cause damage to the digestive system by mechanical action.

Prolonged exposure to crystalline silica powder inhalation may cause silicosis, a type of pulmonary fibrosis, a disease that may become progressive and eventually cause death. Quartz inhalation exposure at the workplace is classified by the IARC as class I (carcinogenic for humans), NIOSH considers this substance a potential carcinogenic agent at working environments. For this reason, it should be noted that the commercial format presented as non-dispersible solid glass fragments with a variable granulometry over 0.3mm., avoids the product entering the respiratory tract, and therefore the development of any pulmonary diseases.

12. ECOLOGICAL INFORMATION

12.1. Eco-toxicity:

The results of the tests at Daphnia Magna of the DIN leachate of a representative sample of this substance according to the C2 method of RD 363/1995 (CL50:> 10000000 mg/l), carried out at Grupo Interlay, shows that the acute toxicity of the leachate almost negligible which fulfills the current limits of 750 mg./l. of the O:M:from 13/10/1989. Values under this limit are considered eco-toxic. Therefore, adverse effects are not to be expected from this substance on aquatic organisms.

12.2. Mobility:

Glass is insoluble in water, so it has low mobility in this medium.

12.3. Persistence and degradability:

Due to the inorganic nature of the substance, this concept is irrelevant, as its persistence is indefinite in the environment.

12.4. Bio-accumulation potential:

Diatoms and other aquatic organisms such as sponges, absorb soluble silica from the water which they incorporate to their external skeleton.

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13. DISPOSAL CONCERNS

Disposal of the product, used packaging and waste.

Whenever possible the product, an inert sub-product waste, should be evaluated. Otherwise it should be handled as an inert waste in accordance with the provisions of the RD 1481/2001 and the 2003/33/CE Decision.

LER waste applicable code according Order MAM/304/2002 is LER 20 01 02 "GLASS".

If while using the product this should be contaminated with any other dangerous substance, the waste generated must be handled as a hazardous waste depending of the nature and quantity of said substances.

14. TRANSPORT INFORMATION

Labeling for transport purposes:	Not required
ADR/RID:	Not classified as dangerous goods
Packaging group:	
UN number:	
Dangerous goods identification:	
OACI:	Not classified as dangerous goods
Packaging group:	
UN number:	
IMDG:	Not classified as a dangerous goods
Packaging group:	
UN number:	
Subsidiary risk:	

15. TRANSPORT INFORMATION

Classification according to RD 255/2003

The substance is not classified as dangerous goods

Sentences R: No requirements

Sentences S: No requirements