

# **Material Safety Data Sheet**

## **1, Chemical Product and Company Identification**

1.1 Product name: Glass Beads

Harmonized System Code: 7018.20

Manufacturer : Shandong Renwa abrasive tech. Co.,Ltd.

Address: A709, West Renin Road,  
New Material Trading Center,  
Zhangdian, Zibo, Shandong, China.

Tel no.: 0086-533-2805169

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Department responsible for information: Quality Department

Date issued: Jan.1, 2024

## **2, Composition/Information on Ingredients**

CAS # 65997-17-3 HMIS: Health 0 Flammability: 0 Reactivity: 0

Composition (non-hazardous):

Silicon Dioxide - 72.5%	Magnesium Oxide - 3.3%
Aluminum Oxide - 0.4%	Potassium Oxide - 0.1%
Calcium Oxide - 9.75%	Other Oxides - less than 1%
Sodium Oxide - 13.7%	

## **3, Hazards Identification**

Material is white, odorless, tasteless.

Avoid creating airborne dust.

Spilled material can be slippery and cause falls if walked on

EYE: Solid or dusts may cause irritation or scratch the surface of the eye.

CARCINOGENICITY: This product is not listed as a potential carcinogen in either the NTP, IARC or OSHA.

EFFECTS OF OVEREXPOSURE: Overexposure may cause temporary respiratory and eye irritation, and can aggravate existing respiratory conditions and eye irritation.

CHRONIC HEALTH EFFECTS: None known.

## **4, First aid Measures**

EYES: Flush the affected eye(s) with water or commercial eye wash. If unable to remove bead/dust by this method, seek medical care.

SKIN: Wash thoroughly with soap and water.

INHALATION: Remove to uncontaminated area - fresh air. Call physician if irritation persists.

## **5, Fire Fighting Measures**

5.1 General information: Not inflammable

5.2 Suitable extinguishing media: Use extinguishing measures appropriate to the source of the fire

5.3 Extinguishing media which must not be used for safety reasons: None know

5.4 Special exposure hazards arising from the substance itself, combustion products, resulting gases: None know

5.5 Special protective equipment: Not applicable

## **6, Accidental Release Measures**

6.1 Personal precautions: Avoid dust formation. Wear personal protective equipment

(see also item 8.3)

6.2 Environmental precautions: No special measures required

6.3 Methods for cleaning up: Pick up mechanically and dispose of in accordance to regulations

## **7. Handling and Storage**

7.1 Handling:

Precautions for safe handling: Avoid dust formation

Precautions against fire and explosion: No danger of fire and dust explosion

7.2 Storage:

Conditions of storage rooms and vessels: No special precautionary measures

Advice of storage of incompatible materials: None

Further information for storage: None

## **8. Exposure controls/personal protection**

ENGINEERING CONTROLS: Mechanical ventilation and local exhaust as required for nuisance dust.

RESPIRATORY PROTECTION: Use NIOSH approved dust respirator.

SKIN PROTECTION: Use rubber gloves as required per job. Wash thoroughly before eating, smoking, applying cosmetics, etc. Launder work clothing before reuse.

EYE PROTECTION: Safety glasses/goggles for dust.

OTHER PROTECTIVE EQUIPMENT: None

## **9. Physical and Chemical Properties**

9.1 BOILING POINT: N/A

MELTING POINT: Above 1100° F

VAPOR PRESSURE: N/A

VAPOR DENSITY: N/A

SOLUBILITY IN WATER: Insoluble

EVAPORATION RATE: N/A

SPECIFIC GRAVITY (H<sub>2</sub>O=1): 0.1 - 2.6

ODOR: No Odor

APPEARANCE: White powder, beads, particles

9.2 Safety parameters:

Change in physical state: Does not melt

Flash point: Not applicable

Flammability: Not applicable

Ignition temperature: Not applicable

Autoflammability: Not applicable

Oxidizing properties: Not applicable

Explosive properties: Not applicable

Vapour pressure: Not applicable

Specific gravity: Approx. 2.5 g/cm<sup>3</sup>

Solubility in water: Practically insoluble

PH value: Not applicable

Partition coefficient n-octanol/water: Not applicable

## **10. Stability and Reactivity**

10.1 General information: The material is stable, no hazardous reactions known

10.2 Conditions to avoid: Not applicable

10.3 Materials to avoid: Not applicable

10.4 Hazardous decomposition products: Non known

## **11. Toxicological Information**

11.1 General information: No hazardous effects known, if used properly (see also item 16)

11.2 Acute toxicity: Not known

## **12, Ecological information**

12.1 Information on elimination

(persistence and degradability): Chemically inert and insoluble in water.

Separation by mechanical processes

(sedimentation, filtration etc.)

12.2 Behaviour in environmental compartments: No environmental problems known

12.3 Ecotoxicity: No harmful effects on water organisms anticipated

12.4 Further ecological information: No environmental problems expected, if handled and treated in accordance with standard industrial practice

## **13, Disposal Considerations**

13.1 Material: Can be stored with domestic waste.

Observe local byelaws

13.2 Contaminated packaging: Packaging has to be emptied entirely.

Recycling of used packaging is recommended.

Local byelaws must be observed

## **14, Transport Information**

14.1 Land transport:

GGVS / ADR – classification: Non hazardous material

GGVE / RID: Non hazardous material

14.2 Inland waterways:

GGVBisich / ADN R – classification: Non hazardous material

14.3 Maritime transport:

GGVSee / IMDG – classification: Non hazardous material

14.4 Air transport:

ICAO-TI / IATA – classification: Non hazardous material

## **15, Regulatory Information**

15.1 Classification according to EC guidelines:

Danger symbol and danger-text of the

Product: None

EC / R: None

EC / S: None

15.2 National regulations:

e.g.: (Germany) Classification according vbF: Not subjected to VbF

Water pollution category: Not water pollution (VwVwS (Germany) dated 17.05.1999,  
Enclosure 3)

## **16, Other Information**

Studies by the institute for Hygiene and Industrial Medicine of the University of Essen showed that Glass Beads possesses no toxic or carcinogenic properties.

This information covers the safety requirements of the products exclusively and is based on current knowledge and experience. It does not represent a guarantee for properties of the described products in terms of the legal warranty regulations.

The product specification is contained in a separate product data sheet.