

**SURFACE TREATMENT PRODUCTS AND METAL IMPORT
INDUSTRY AND TRADE LIMITED LIABILITY COMPANY**

INDUSTRIAL GLASS BEADS MSDS



INDUSTRIAL SOLID GLASS BEADS

Safety Data Sheet - MSDS according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Date of issue: 1/13/2015 Revision date: 3/31/2016 Supersedes: 3/30/2016 Version: 1.1

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form	: Substance
Trade name	: Industrial Solid Glass Beads
Chemical name	: glass
EC no	: 266-046-0
CAS No	: 65997-17-3
Product group	: Trade product

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Main use category	: Industrial use, Professional use
Industrial/Professional use spec	: Industrial For professional use only
Function or use category : 55/999 Others	: 55/999 Others

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

1.4. Emergency telephone number

Emergency number : 0090 422 502 10 35

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Substance: SDS < 2015: According to Annex I of Regulation (EC) No. 453/2010 (REACH Annex II)

Not classified

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

Adverse physicochemical, human health and environmental effects

Dust may cause mechanical irritation.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP] Extra labelling to display

Extra classification(s) to display

No labelling applicable

2.3. Other hazards

Other hazards not contributing to the classification: None under normal conditions. No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation.

SECTION 3: Composition/information on ingredients

3.1. Substance

Trade name : Industrial Solid Glass Beads

CAS No : 65997-17-3

EC no : 266-046-0

Name	Product identifier	%	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Glass	(CAS No) 65997-17-3 (EC no) 266-046-0	100	Not classified	Not classified

3.2. Mixture

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general: If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation: Assure fresh air breathing. If you feel unwell, seek medical advice.

First-aid measures after skin contact: Wash with plenty of soap and water.

First-aid measures after eye contact: Rinse cautiously with water for several minutes. Obtain medical attention if pain, blinking or redness persist.

First-aid measures after ingestion: Rinse mouth. No significant signs or symptoms indicative of any adverse health hazard are expected to occur as a result of ingestion. Get medical advice/attention if you feel unwell.



4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries: Not expected to present a significant hazard under anticipated conditions of normal use. Dust may cause mechanical irritation.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Foam. Dry powder. Carbon dioxide. Water spray. Sand. Unsuitable extinguishing media: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard: Not determined. Not combustible.

Explosion hazard: None under normal conditions.

Reactivity in case of fire: fume. mist.

Hazardous decomposition products in case of fire: On burning, release of harmful/ irritant gases/ vapours.

5.3. Advice for firefighters

Precautionary measures fire: Avoid static electricity discharges.

Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire.

Avoid (reject) fire-fighting water to enter environment.

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection. Do not approach fire except upwind and only with proper skin and respiratory protection (supplied air only).

Other information: Do not breathe fumes. Keep upwind.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures: Dust formation: consult the information on the powder!. Wear suitable protective clothing.

Concerning personal protective equipment to use, see section 8.

6.1.1. For non-emergency personnel

Protective equipment	: Dust cloud production
Emergency procedures	: Dust-tight suit. Respiratory protection.
Measures in case of dust release	: Knock down/dilute dust cloud with water spray.

6.1.2. For emergency responders

Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

For containment: Dust binding agents. Collect all waste in suitable and labelled containers and dispose according to local legislation.

Do not use compressed air for pumping over spills.

Methods for cleaning up: On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

Other information: Avoid dust formation.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed: None under normal use.

Precautions for safe handling: Avoid raising dust. Use only in well ventilated areas. Take precautionary measures against static discharge. Both local exhaust and good general room ventilation must be provided not only to control exposure but also to prevent formation of flammable mixtures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Handle in accordance with good industrial hygiene and safety procedures. Handling temperature: > 10 °C

Hygiene measures: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures: Use explosion-proof electrical, Ventilation, lighting, Use explosion-proof equipment equipment.

Storage conditions: Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight.

Protect from moisture.

Keep container closed when not in use.

Incompatible products : Strong bases. Strong acids. Oxidizing substances. Oxidizing agent.

Maximum storage period : 12 months Maximum

Storage temperature : 25 (10 - 50) °C

Heat and ignition sources : No flames, no sparks. Eliminate all sources of ignition. Protect from heat and direct sunlight.

Prohibitions on mixed storage : Food.

Storage area: Store away from heat. Store in a well-ventilated place.

Special rules on packaging: Keep only in original container.

7.3. Specific end use(s)

(Read the technical data sheet).

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Industrial Solid Glass Beads		
EU	IOELV STEL (mg/m ³)	10 mg/m ³ dust

Additional information: In the event that dust and/or fine particles are generated with this product, it is prudent to minimize prolonged inhalation exposure to these forms not to exceed the occupational exposure limit

8.2. Exposure controls

Appropriate engineering controls: Dust and/or fine particles, minimize inhalation exposure. Provide appropriate exhaust ventilation at places of dust forming.

Personal protective equipment: Dust production: dust mask with filter type P2. Dustproof clothing.

In case of dust production: protective goggles. Insulated gloves.



Materials for protective clothing: Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Chemical resistant PVC gloves (to European standard EN 374 or equivalent). Penetration time of glove material: The average penetration time of the various materials when used with this product is unknown

Hand protection	: In case of repeated or prolonged contact wear gloves
Eye protection	: In case of dust production: protective goggles
Skin and body protection	: Complete protective clothing. Integral helmet (face, head, neck)
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment



Thermal hazard protection	: On heating : Self contained breathing apparatus.
Environmental exposure controls	: Prevent spreading in sewers. Assure that emissions are compliant with all applicable air pollution control regulations. Refer to all applicable national, international and local regulations or provisions.
Other information	: Handle in accordance with good industrial hygiene and safety practice. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Powder. Granular solid.
Colour	: white.
Odour	: odourless.
Odour threshold	: Not applicable
pH	: Not applicable
pH solution	: Not applicable
Relative evaporation rate (butylacetate=1)	: Not applicable
Melting point	: > 1350 °C
Freezing point	: Not applicable
Boiling point	: Not applicable
Flash point	: Not determined
Critical temperature	: 550 °C
Auto-ignition temperature	: Not determined
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not determined
Vapour pressure	: Not applicable
Relative vapour density at 20 °C	: No data available
Relative density	: 1.4 (1 - 1.8)
Density	: 2.46 g/cm ³
Solubility	: Not determined.
Log Pow	: No data available
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: Not applicable
Explosive properties	: Product is not explosive.
Oxidising properties	: No data available.
Explosive limits	: No data available

9.2. Other information

Sublimation point	: Not applicable
Other properties	: No additional information available.
Additional information	: No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions.

10.2. Chemical stability

Stable at room temperature and without humidity.

10.3. Possibility of hazardous reactions

None under normal conditions.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity: Not classified (Based on available data, the classification criteria are not met)

Skin corrosion/irritation: Not classified (Based on available data, the classification criteria are not met) pH: Not applicable

Serious eye damage/irritation: Not classified (Based on available data, the classification criteria are not met) pH: Not applicable

Additional information: Dust may cause mechanical irritation

Respiratory or skin sensitisation: Not classified (Based on available data, the classification criteria are not met)

Germ cell mutagenicity: Not classified (Based on available data, the classification criteria are not met)

Carcinogenicity: Not classified (Based on available data, the classification criteria are not met)

Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)

Specific target organ toxicity (single exposure): Not classified (Based on available data, the classification criteria are not met)

Specific target organ toxicity (repeated exposure): Not classified (Based on available data, the classification criteria are not met)

Aspiration hazard: Not classified (Based on available data, the classification criteria are not met) : Dust may cause mechanical irritation.

Potential adverse human health effects and symptoms Other information : No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation.

SECTION 12: Ecological information**12.1. Toxicity**

Ecology - general: No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation.

Ecology - air: Not expected to present a significant hazard under anticipated conditions of normal use.

Ecology - water: Not expected to present a significant hazard under anticipated conditions of normal use.



12.2. Persistence and degradability

Industrial Solid Glass Beads	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

Industrial Solid Glass Beads	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

Industrial Solid Glass Beads	
Ecology - soil	Not established.

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Other adverse effects : This material has not been tested for environmental effects.
Additional information : Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.
Waste treatment methods : Collect all waste in suitable and labelled containers and dispose according to local legislation.
Sewage disposal recommendations : Do not discharge into drains or the environment.
Waste disposal recommendations : Dispose of contents/container to Dispose in a safe manner in accordance with local/national regulations.
Additional information : Handle uncleaned empty containers as full ones. Empty containers should be taken for recycling, recovery or waste in accordance with local regulation.
Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

14.6. Special precautions for user**- Overland transport**

Not applicable

- Transport by sea

Not applicable

- Air transport

Not applicable

- Inland waterway transport

Not applicable

- Rail transport

Not applicable

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.1.1. EU-Regulations**

No REACH Annex XVII restrictions

Industrial Solid Glass Beads is not on the REACH Candidate List

Industrial Solid Glass Beads is not on the REACH Annex XIV List

Other information, restriction and prohibition regulations : This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The product is intended for professional use.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

SECTION 16: Other information

Indication of changes: According to Regulation (EU) 2015/830 (REACH Annex II).

		According to Regulation (EU) 2015/830 (REACH Annex II)
--	--	--

Data sources

: Manufacturer/Supplier.

Other information

: **DISCLAIMER OF LIABILITY** The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.



**SURFACE TREATMENT PRODUCTS AND METAL IMPORT INDUSTRY AND
TRADE LIMITED LIABILITY COMPANY**


HERMES
A B R A S I V E

