

MSDS FOR GLASS BEADS

SECTION 1 : PRODUCTION IDENTIFICATION AND SUPPLIER

RELEVANT IDENTIFIED USES OF THE
SUBSTANCE OR MIXTURE AND USES
ADVISED AGAINST

Abrasive

RECOMMENDED USE:

Abrasive applications

RESTRICTIONS ON USE:

Contact manufacturer


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SECTION 2 : HAZARD IDENTIFICATION

GHS CLASSIFICATION	Not classified as dangerous for supply/use.	
SIGNAL WORD	Not applicable	
HAZARD STATEMENT		
PRECAUTIONARY STATEMENT(S)		

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Regulation (EC) No. 1272/2008 (CLP)

Ingredient(s)	% W/W	CAS No.	EINECS No. / REACH Registration	Hazard symbol(s) and hazard statement(s)
Glass oxide; Glass	100	65997-17-3	2660460	Not classified

SECTION 4 : FIRST AID MEASURES

4.1 Description of first aid measures

EYE CONTACT	Irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes. If symptoms persist, obtain medical attention
SKIN CONTACT	Wash affected skin with plenty of water. If symptoms occur obtain medical attention
INHALATION	In case of accident by inhalation: remove casualty to fresh air and keep at rest. If symptoms develop, obtain medical attention
INGESTION	Do not induce vomiting. Get immediate medical advice/attention

4.2 Most important symptoms and effects, both acute and delayed

DUST EFFECTS	Dust may cause irritation. Caution - spillages may be slippery
	Dust may cause discomfort and mild irritation

SECTION 5 : FIRE FIGHTING MEASURES

5.1 Extinguishing media

SUITABLE EXTINGUISHING MEDIA	As appropriate for surrounding fire
UNSUITABLE EXTINGUISHING MEDIA	None known

5.2 - Special hazards arising from the substance or mixture

Non-combustible

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1 - Personal precautions, protective equipment and emergency procedures

Wear suitable protective clothing. Wear eye/face protection

6.2 - Methods and materials for containment and cleaning up

CAUTION	spillages may be slippery. Avoid generation of dust Sweep or preferably vacuum up and collect in suitable containers for recovery or disposal
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6.3 - Reference to other sections

Not applicable

SECTION 7 : HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING	Avoid contact with eyes, skin and clothing. Avoid generation of dust. Wash thoroughly after handling. Wear protective equipment to comply with good occupational hygiene practice. Do not eat, drink or smoke at the work place.
CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES	Keep container tightly closed and dry.
SPECIFIC END USE(S)	Not applicable.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 - Control parameters

SUBSTANCE	Occupational Exposure Limits
Glass oxide; Glass	No Occupational Exposure Limit assigned. 15mg/m ³ total dust 5mg/m ³ respirable (Particulates Not Otherwise Regulated)

8.2 - Exposure controls

APPROPRIATE ENGINEERING CONTROLS	Engineering methods to prevent or control exposure are preferred. Methods include process or personnel enclosure, mechanical ventilation (dilution and local exhaust), and control of process conditions
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8.3 - Personal Protection

RESPIRATORY PROTECTION	Wear suitable respiratory protective equipment if working in confined spaces with inadequate ventilation or where there is any risk of the exposure limits being exceeded. Observe OSHA regulations for abrasive blasting (29 CFR 1910.94) respirator use (29 C.F.R. §1910.134)
EYE/FACE PROTECTION	Goggles
SKIN PROTECTION	Wear suitable protective clothing and gloves. For example cotton or rubber

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

information on basic physical and chemical properties

APPEARANCE	Glass Powder. White
ODOUR	Odourless
ODOUR THRESHOLD (ppm)	Not applicable
PH (VALUE)	
FREEZING POINT (°C)	Approximately 730 °C
MELTING POINT (°C)	
BOILING POINT (°C)	Not applicable
FLASH POINT (°C) [CLOSED CUP]	
EVAPORATION RATE	Non-combustible
FLAMMABILITY (SOLID, GAS)	
VAPOUR PRESSURE (Pascal)	Not applicable
VAPOUR DENSITY (Air=1)	
SOLUBILITY (WATER)	Insoluble
PARTITION COEFFICIENT	Not applicable
AUTO IGNITION POINT (°C)	
DECOMPOSITION TEMPERATURE (°C)	
VISCOSITY (mPa. s)	
EXPLOSIVE PROPERTIES	
OXIDISING PROPERTIES	

SECTION 10 : STABILITY AND REACTIVITY

REACTIVITY	Avoid contact with strong acids
CHEMICAL STABILITY	Stable
POSSIBILITY OF HAZARDOUS REACTIONS	Not applicable
CONDITIONS TO AVOID	
HAZARDOUS DECOMPOSITION PRODUCT(S)	None known

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects - Acute toxicity

INGESTION	A similar spherical glass powder was nontoxic to rats at 5,000 mg/kg
INHALATION	May cause irritation to the respiratory system
SKIN CONTACT	Dust may cause irritation
EYE CONTACT	
SKIN CORROSION/IRRITATION)	Mechanical irritation of the skin and eyes
SERIOUS EYE DAMAGE/ IRRITATION	
SENSITISATION	Not sensitising
CARCINOGENICITY	There are no known reports of carcinogenicity of nonfibrous glass. Components are not listed by IARC, NTP or OSHA as carcinogens
REPRODUCTIVE TOXICITY	No evidence of reproductive toxicity or developmental toxicity

SECTION 12 : ECOLOGICAL INFORMATION

TOXICITY	No environmental hazards have been reported or known
PERSISTENCE AND DEGRADABILITY	This material is persistent but inert in aquatic systems. It will not bioconcentrate up the food chain
RESULTS OF PBT AND VPVB ASSESSMENT	Not classified as PBT or vPvB
OTHER ADVERSE EFFECTS	Not applicable

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS	Product as supplied: The waste is considered to be non hazardous. Disposal should be in accordance with local, state or national legislation.
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SECTION 14: TRANSPORT INFORMATION

UN NUMBER	Not applicable
PROPER SHIPPING NAME	NOT CLASSED AS DANGEROUS FOR TRANSPORT.
TRANSPORT HAZARD CLASS(ES)	Not applicable
PACKING GROUP	
ENVIRONMENTAL HAZARDS:	
SPECIAL PRECAUTIONS FOR USER	
TRANSPORT IN BULK	according to Annex II of MARPOL 73/78 and the IBC Code

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/ legislation specific for the substance or mixture

TSCA INVENTORY STATUS	Reported/Included.
AICS Inventory Status	
DSL/NDSL Inventory Status	
German Water Hazard Classification VwVwS	WGK class 1 (low hazard to water).
HMIS	0,0,0
<ul style="list-style-type: none"> • There is no CERCLA Reportable Quantity for this material. • Contains no SARA Title III, Section 313 notification chemical present at or above the deminimus concentration. 	

SECTION 16: OTHERS INFORMATIONS

The following sections contain revisions or new statements: All sections.

EC CLASSIFICATION NO. 67/548/EEC	Not classified as dangerous for supply/use.
GHS CLASSIFICATION	

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