

## MATERIAL SAFETY DATA SHEET

According to EC Directive 2001/58/EC

### INTERMINGLASS GLASS BEADS

#### 1. IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY

Product Name:	Glass beads – All grades
Application:	Used mainly in road safety markings for retro-reflectivity purposes or in abrasive blasting.
Company:	INTERMINGLASS Sp. z o.o. ul. Wrocławska 16 58-309 Wałbrzych POLAND
Customer Service / Emergency Contact:	Tel: +48 (74) 846 66 58 +48 (74) 840 75 10 Fax: +48 (74) 846 66 57

#### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Description:	Glass beads made of Soda-Lime glass	
Chemical Composition:	SiO <sub>2</sub>	70-74%
	Al <sub>2</sub> O <sub>3</sub>	0,5-2%
	CaO	7-11%
	MgO	3-5%
	Na <sub>2</sub> O+K <sub>2</sub> O	13-15%
	TiO <sub>2</sub>	max 0,1%
Coating (if applicable):	Silane based – Not exceeding 0,1% by volume or weight.	
Cas-Number:	Not applicable	
EINECS-Number:	Not applicable	

#### 3. HAZARDS IDENTIFICATION

Eye Contact:	May cause irritation
Skin Contact:	May cause irritation
Inhalation:	May cause irritation
Ingestion:	No known hazard
Chronic Hazards:	No known hazard
Hazardous Uses / Misuses:	Not known

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### 4. FIRST AID MEASURES

Eye Contact:	Flush eyes immediately for at least 15 minutes
Skin Contact:	Rinse skin with water
Inhalation:	Remove to fresh air
	<b>If problem persist consult physician</b>
Advice to Physician:	Treat according to symptoms present

### 5. FIRE FIGHTING MEASURES

Not applicable – This product is not combustible

### 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	S22 – Do not breathe dust S25 – Avoid contact with eyes S38 – In case of insufficient ventilation wear suitable respiratory equipment. S51 – Use only in well-ventilated areas
Environmental Precautions:	Product very slippery when on surfaces
Clean-Up Procedure:	Sweep, Scoop, or vacuum and remove

### 7. HANDLING AND STORAGE

Handling:	S22 – Do not breathe dust S25 – Avoid contact with eyes S38 – In case of insufficient ventilation wear suitable respiratory equipment. S51 – Use only in well-ventilated areas
Storage:	Keep bags and containers well closed. Avoid wet conditions.

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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines (Dust):	No free SiO <sub>2</sub> , all components amorphous / non-crystalline.
Respiratory Protection:	Use dust respirator where dust occurs.
Hand Protection:	Cotton gloves usually sufficient to protect hands if irritation arises from handling this product.
Eye Protection:	Safety goggles.
Skin Protection:	Covering garments.
Additional Protective Equipment:	Safety shower and eyewash fountain should be within direct access.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	
Physical State:	Solid, Clear and Odourless
Safety Data:	
Ph:	11-12
Melting Point:	~750 <sup>o</sup> C
Specific Gravity:	2.5g/cm <sup>3</sup>

### 10. STABILITY AND REACTIVITY

Stability:	Stable
Conditions to Avoid:	None
Material to Avoid:	None

### 11. TOXICOLOGICAL INFORMATION

Acute Effects:	Not applicable
Sub-chronic & Chronic:	Not applicable

### 12. ECOLOGICAL INFORMATION

No ecological hazards are reported to be associated with this product.

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### 13. DISPOSAL CONSIDERATIONS

Discard as non-hazardous inorganic solid waste, however we recommend verifying that any local laws may impose additional regulatory requirements regarding disposal. However uncontaminated material can be recycled and can therefore be categorized as being environmentally friendly.

### 14. TRANSPORTATION INFORMATION

Land transport:	Not regulated as a dangerous good for transportation purposes.
River/Canal-transport:	Not regulated as a dangerous good for transportation purposes.
Sea-transport:	Not regulated as a dangerous good for transportation purposes.
Air-transport:	Not regulated as a dangerous good for transportation purposes.
Other Information:	May be sent by mail.

### 15. REGULATORY INFORMATION

**CAUTIONARY LABEL PHRASES:** Not applicable  
**NATIONAL REGULATIONS:** Not applicable

### 16. OTHER INFORMATION

This Material Safety Data Sheet refers to and includes all Interminglass grades and brand names, used for various applications, using standard A-glass unless otherwise stipulated.

It remains the users own responsibility to ensure that the information is appropriate and complete for his special use of this product.

The information contained herein is to the best of our knowledge accurate, but since the circumstances and conditions in which it may be used are beyond our control, we do not accept liability for any loss or damage, however arising, which result directly or indirectly from use of such information.