

Product: Glass SGG DIAMANT<sup>®</sup> with Transport Protective Coating

## Safety data sheet according to 91/155/EEC

### 1. Substance-/Preparation- and Company Identification

Trade name: **Glass SGG DIAMANT<sup>®</sup> with Transport Protective Coating**

Company: SAINT-GOBAIN GLASS Deutschland GmbH  
Nikolausstr. 1  
52222 Stolberg

Emergency phone no.: ++49 (0)2402/121-0

### 2. Composition / Information on ingredients

*The product is not subject to the directives 67/548/EEC and 88/379/EEC*

Chemical characterization

**Glass:** The product glass is manufactured and marketed in form of sheet-glass. It is under normal environmental conditions inert.  
The glasses are manufactured from mostly natural raw materials like quartz sand, limestone, dolomite, nephelin or feldspar, merely soda and sulfate are chemical products.  
For the manufacturing of SGG DIAMANT<sup>®</sup> none of the following substances is used: lead (Pb) or lead-containing mixtures, cadmium (Cd) or cadmium-containing mixtures, mercuri (Hg) or mercuri-containing mixtures, brom (Br), dibutylphthalate, chlorinated hydrocarbons, nonylphenoletoxylate, octylphenoletoxylate, organotin compounds.

**Coating:** For protection during transportation and storage, the glass-sheets are coated with an transport protective coating. The coating is applied as an aqueous solution via spraying beam and subsequently dried. Before any further processing or use the coating is washed off with water.

Using a closed circuit the rinsing water zinc accumulates in the water.

Ingredients of the transport protective coating	CAS-No.	EINECS-No.	Hazard designation / R-phrase	Weight portion mg/m <sup>2</sup> sheet
zinc-citrate-dihydrate	5990-32-9		Xi / 36-37-38	ca. 2,5

Product: Glass SGG DIAMANT <sup>®</sup> with Transport Protective Coating
---

**3. Hazards identification**

Hazard designation: None required

Information pertaining to particular dangers to man and environment:

R-phrases: None

---

**4. First Aid measures**

*After inhalation:* Not applicable

*After skin contact:* Not applicable

*After eye contact:* Not applicable

*After ingestion:* Not applicable

---

**5. Fire fighting measures**

*Suitable extinguishing agent:* Depends on the environment

*Special exposure hazards:* None

*Protective equipment for fire fighters:* None

*Further information:* None

---

**6. Measures in case of accidental release**

*Personal precautions:* Not applicable

*Measures for cleaning up:* Not applicable

*Measures for environmental protection:* Not applicable

---

**7. Handling and storage**

*Handling:*

Normal handling of Planiclear-glasses.

*Storage:*

Normal storage of Planiclear-glasses.

---

Product: Glass SGG DIAMANT<sup>®</sup> with Transport Protective Coating

**8. Exposure control and personal protection**

*Personal protection equipment:*

Respiratory protection: Not required

Eye protection: Safety glasses (general protection from glass splinters during the processing of glass)

Hand protection: Cut-proof safety gloves with artery protection; recommended to protect from possible cuts from handling glass and from potentially possible skin irritations from the transport protective coating.

Head protection: Helmets have to be worn when sheets reach or exceed the height of the head due to their own height, or during transportation or processing.

*Hygienic measures in the workplace:*

Preventive skin protection is recommended. Wash hands at the end of the work.

---

**9. Physical and chemical properties**

Form: Solid

Colour(s): Colourless

Odour: Odourless

	<u>Value/range</u>	<u>Unit</u>	<u>Method</u>
Change in physical condition			
- Melting point:	Not applicable		
- Boiling point:	Not applicable		
Flame point:	Not applicable		
Ignition temperature:	Not applicable		
Explosion limits			
lower:	Not applicable		
upper:	Not applicable		
Density of the liquid at 20 °C:	Not applicable		
Solubility in water at 20 °C:	Transport protective	coating is completely	soluble
pH-value at 20 °C:	Not applicable		

---

**10. Stability and reactivity**

*Conditions to avoid:* Not applicable

*Materials to avoid:* Not applicable

*Hazardous decomposition products:* None

*Further information:* None

Product: Glass SGG DIAMANT<sup>®</sup> with Transport Protective Coating

**11. Toxicological information**

*Acute toxicity:* None  
*Further toxicological information:* None  
*Further information:* None

---

**12. Ecological information**

*Ecotoxicological effects:*

The washing-solution to rinse off the transport protective coating may be toxic to aquatic organism due to an accumulation of organozinc compounds.

*Further ecological information:*

In the case of an accumulation of zinc in the washing-solution to rinse off the transport protective coating, the limit values of the leaflet 115 of the ATV (Abwassertechnische Vereinigung "wastewater association", Stand 10/97) of 5 mg zinc/l as well as the limit values of the wastewater statutes of the cities in the range of 0,5 – 5 mg zinc/l have to be kept.

---

**13. Disposal considerations**

*Product:*

Glass is ideal for recycling and should be brought to sheet-glass recyclers. Pieces that cannot be separated any more can be used as inert rubble or disposed of. The transport protective coating does not affect the recycling properties!

In Germany the precept to reuse has been laid down in the Kreislaufwirtschafts- und Abfallgesetz "cycle economics and waste law" (KrW/AbfG); correspondingly it has to be distinguished between "waste for re-use" and "waste for disposal". Special cases - especially concerning the delivery to the facility – are furthermore also regulated by the individual lands of the Federal Republic of Germany. Please contact the responsible office (either authority or waste management company) where you can receive information on re-use or disposal.

*Packaging:*

Dispose according to the official instructions.

---

Product: Glass SGG DIAMANT<sup>®</sup> with Transport Protective Coating

**14. Transport information**

*Land transport ADR/RID and GGVS/GGVE*

Not considered a hazardous material.

*Inland navigation transport ADN/ADNR*

Not considered a hazardous material.

*Maritime transport IMDG/GGVSee*

Not considered a hazardous material.

*Air transport ICAO-TI and IATA-DGR*

Not considered a hazardous material.

The regulations on transport are cited in their international version and in the version that is valid in Germany (GGVS/GGVE). Possible deviations in other countries are not taken into account.

---

**15. Regulatory information**

***The product is not subject to 67/548/EEC and 88/379/EEC***

*Designation according to EC-Guidelines/GefStoffV:*

Symbols: None required

R-phrases: Not applicable

S-phrases: Not applicable

*German regulations*

Water hazard classification: (please see point 12.)

Storage classification VCI: Not applicable

---

**16. Other information**

None

The information presented is based on present knowledge and does not constitute a guarantee for any product properties. It is the sole responsibility of the receiver of our product to comply with existing regulations and instructions.

During the processing of glass, new hazards may arise that are characteristic for the applied procedure and measures. In these cases the user has to become acquainted with the corresponding regulations of the professional trade association and legal regulations.

This safety data sheet was prepared by:

TÜV Produkt und Umwelt GmbH  
Am Grauen Stein  
D-51105 Köln  
GERMANY  
Tel.: 0049 (0)221 / 806-3486  
Fax: 0049 (0)221 / 806-2882