

1. Identification of the substance / preparation and of the company / undertaking

Identification of the product

| | |
|-----------------------------------------------|-------------------------------------------------------------------------------------------|
| Glass number | 8708 |
| Designation: | PYRAN® Platinum fire-rated glass-ceramic |
| Classification: | Industrial Glass |
| <i>Manufacturer / Supplier Identification</i> | |
| Company: | SCHOTT Technical Glass Solutions GmbH , 07745 Jena, Germany |
| Contact for information | Tel: +49 (0) 3641 / 681 4649 SCHOTT Hometech North America, Inc., Tel: +1 502 657 4442 |
| Emergency telephone No: --- | |

2. Composition / information on ingredients

PYRAN® Platinum is a transparent glass-ceramic. Glass-ceramic is an inorganic, partly vitreous, partly crystalline solid consisting of a mixture of silicates, alumina, lithium oxide and phosphates. Glass-ceramic is made by controlled nucleation and crystallization of homogeneous glass. The raw glass is made by tank melting and float process under specially conditions. Crystallization is induced by a nucleating agent and heat treatment. The cooled material is inert; its properties are different from the properties of the single components. The components are fixed in the glass matrix.

3. Hazards identification

not applicable

4. First aid measures

not applicable

5. Fire-fighting measures

| | |
|-------------------------------|-----------------------------------------------------------------------------------------------|
| Suitable extinguishing media: | use extinguishing media, which is appropriate for the classification of the surrounding fire. |
| Special risks: | possibility of glass fragments if glass ceramic is exposed to mechanical impact or stress. |
| Special protective equipment: | - |
| Other information: | non-combustible. |

6. Accidental release measures

| | |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Person-related precautionary measures: | - |
| Environmental-protection measures: | - |
| Procedures for cleaning / absorption: | take up wet with water (hot or cold) or take commercial cleaning ingredients Forward for disposal. Clean up effected area. |

7. Handling and storage

| | |
|-----------|------------------------------------------------------------------------------------------------|
| Handling: | stock-size sheets handle with care during transportation, storage, inspection and installation |
| Storage: | store in a dry place |

8. Exposure controls / personal protection

| | |
|---------------------------------------|---------------------------------------|
| <i>Specific control parameter:</i> | - |
| <i>Personal protective equipment:</i> | |
| Respiratory protection: | - |
| Eye protection: | wear safety glasses with side shields |
| Hand protection: | wear appropriate work gloves |
| Industrial hygiene: | - |

9. Physical and chemical properties

| | |
|------------------------|------------------------------------|
| Form: | solid |
| Colour: | transparent, true colour rendition |
| Odor | odorless |
| Density: | c. 2,5 g/cm ³ |
| Softening temperature | : > 900 °C |
| Vapor pressure: | not applicable |
| Viscosity: | not applicable |
| Solubility in water: | < 10 ⁻² g/l |
| pH-value: | not applicable |
| Hazardous reactions: | not applicable |
| Ignition temperature: | not applicable |
| Flash point: | not applicable |
| Thermal decomposition: | not applicable |

10. Stability and reactivity

| | |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Conditions to be avoided:</i> | - |
| <i>Substances to be avoided:</i> | Glass-ceramic is a stable material, inert to many chemicals. Reactions with hot, strong alkaline solutions and with hydrofluoric, fluorosilicic and phosphoric acid. |

11. Toxicological information

Acute toxicity:
No case of acute toxicity is known to SCHOTT Technical Glass Solutions GmbH.

Further toxicological information:
Inorganic glass has shown no physiological effects to humans in the stable condition in which it leaves our manufacturing facilities. The company is not aware of any research studies that contradict our above statement.

12. Ecological information

Ecotoxic effects:
Quantitative data for the ecotoxic effects of this product are not available.

Biological effects:
Quantitative data for the biological effects of this product are not available.

Further ecologic data:
none

13. Disposal considerations

There are no harmonized regulations on the disposal of glass-ceramics in the member states of the EU. Please contact the competent body (authority or waste disposal company) where you will obtain information on recycling or disposal. Normally, scrap material can be buried in a landfill in accordance with federal, state and local regulations.

14. Transport information

| | |
|------------------------|--------------------------|
| <i>Land Transport</i> | ADR |
| ADR class: | not hazardous material |
| technical name: | industrial glass-ceramic |
| <i>River Transport</i> | ADN, ADNR |
| ADN/ADNR class: | not examined |
| <i>Sea Transport</i> | IMDG |
| IMDG class: | not hazardous material |
| EmS: | - |
| MFAG: | - |
| technical name: | industrial glass-ceramic |
| <i>Air Transport</i> | ICAO, IATA-DGR |
| IATA-DGR-class: | not hazardous material |
| technical name: | industrial glass-ceramic |

The transport regulations are cited according to international regulations. Possible national deviations in other countries are not considered.

15. Regulatory information

Identification according to EU directives:

| | |
|------------|-----------|
| Symbol: | not valid |
| R-phrases: | none |
| S-phrases: | none |
| EG-No.: | none |

German Regulations:

| | |
|------------------------------------------------------|------------------------------------------------|
| water pollution class: | 1 low polluting substance (own classification) |
| storage class VCI: | no restriction |
| Data sheet of the chemical professional association: | - |

other national regulations: none

16. Other information

Release for alteration: general update

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.