SCHOTT	Material Safety Data Sheet According to Directive 1907/2006/EC According to OSHA Directive 02-02-079 (2015)	**Date of issue:** **14. October 2015** **Version 3**

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

Identification of the product

Glass number:	**8330**
Designation:	**Borofloat® 33**
Classification:	**Industrial Glass**

Manufacturer / Supplier Identification

Company:	SCHOTT Technical Glass Solutions GmbH , 07745 Jena, Germany
Contact for information:	Tel: +49 (0) 3641 / 681 4600 (during the day)
Emergency telephone No:	-

2. Hazards identification

not applicable

3. Composition / information on ingredients

not applicable

CAS Number: 65997-17-3
Component: Glass, Oxide, Chemicals
Content: 100%
(glass is free of As, Sb, Ba)

Borosilicate glass is an inorganic solid, consisting of a mixture of silica, boron, alkaline oxides, alkaline earth oxide components and others.
Borosilicate glass is made by tank melting of raw materials and following float process under controlled conditions. The resulting annealed solid material is inert; its final properties are different to those of the single oxide components. Such oxide glass components will be transformed into one bulk glass body. The Borosilicate glass meet the requirements of RoHS, a corresponding declaration is available on request.

4. First aid measures

First Aid: Eyes	Eye injuries from glass particles should be treated by medical personnel immediately.
First Aid: Skin	Cut injuries or abrasions should be promptly treated by cleaning of the affected area appropriately
First Aid: Ingestion	Seek medical aid if material is ingested.
First Aid: Notes to physician	none

5. Fire-fighting measures

Suitable extinguishing media:	Use extinguishing media appropriate for the classified fire type in case of fire.
Special risks:	Possible generation of glass fragments if glass will be exposed to mechanical impact or bending stress.
Special protective equipment:	-
Other information:	non-combustible

6. Accidental release measures

Person-related precautionary measures:	-
Environmental-protection measures:	Regulations may vary consult local authorities prior to disposal .Glass products can be recycled.
Procedures for cleaning / absorption:	Take-up wet with water or take-up dry with vacuum cleaner. Forward for disposal. Clean-up effected area.

7. Handling and storage

Handling:	avoid stress on bump or pressure; wear appropriate protective equipment to prevent eye contact; handle and use in accordance with good occupational hygiene and safety practice
Storage:	no restrictions

8. Exposure controls / personal protection

Specific control parameter:	-
Personal protective equipment:	
Respiratory protection:	
Eye protection:	wear safety glasses with side shielding
Hand protection:	wear appropriate work gloves
Industrial hygiene:	-

9. Physical and chemical properties

Physical Form:	solid
Color:	colorless
Odor:	odorless
Density:	approx. 2,3 g/cm^3
Softening temperature:	> 500 °C
Vapour pressure:	not applicable
Viscosity:	not applicable
Solubility in water:	not applicable
pH-value:	not applicable
Hazardous reactions:	not applicable
Ignition temperature:	not applicable
Flash point:	not applicable
Thermal decomposition:	not applicable

10. Stability and reactivity

Conditions to be avoided:	Stable under normal storage and handling conditions
Substances to be avoided:	Glass 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 under appropriate controlled conditions to leave our manufacturing facilities. The company is not aware of any research studies that contradict to 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 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

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

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

15. Regulatory information

Identification according to EU directives:

Symbol:	not valid
H-phrases:	none
P-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.

Date of last revision: 14.10.2015