

# **Safety Data Sheet acc. to EC-directive 91/155/EEC**

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**Company:** Isola GmbH, D-52348 Düren

**Product:** DURAVER®-E quality 104 ML

## **1. Chemical Characterisation:**

Prepreg made from glass fabric and brominated epoxy resin (B-Stage)

## **2. Composition:**

Glass fabrics: E-glass  
Resin system: brominated epoxy resin based on tetrabromobisphenole A (TBBA)

## **3. Hazards Identification:**

Not classified as hazardous

## **4. First-Aid Measures:**

In case of cut and scratch caused by the material wash the wound with water and soap.  
Disinfection is useful.

## **5. Fire-Fighting Methods:**

All kinds of fire fighting methods are useful, if possible do not use water.

In case of fire the following hazardous components can be produced:  
carbon monoxide, carbon dioxide, oxides of nitrogen, hydrogen bromide and organic brominated compounds

## **6. Accidental Release Measures:**

Be inapplicable

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### 7. Storage and Handling:

Store in an air-conditioned room at a maximum temperature of 20 °C and a rel. humidity of 40 to 50 %. Cold room storage increases the storage stability of the prepreg.  
Further information: see technical data sheet.

### 8. Exposure Control and Personal Protection:

#### Limits:

CAS-Number	Substance	List	Exposure Limit	Unit
Be inapplicable				

#### Personal Protection:

- Respiratory Protection:	suction system
- Hand Protection:	skin cream
- Eye Protection:	useful
- Body Protection:	
- Industrial Hygiene:	no eating, drinking or smoking; cleanness necessary.

### 9. Physical and Chemical Properties:

**Appearance:** sheets or rolls  
**Colour:** yellowish  
**Odour:** odourless

#### Change of Condition:

- Boiling Point:	(°C)	---
- Melting Point:	(°C)	at approx. 65
- Curing:	(°C)	approx. 130 (DSC-Method 20°C/min Heating Rate)
- Flash Point:	(°C)	---
- Autoignition Temperature:	(°C)	---
- Explosion Limits:	(Vol.-%)	lower: --- upper: ---
- Thermal Decomposition:	(°C)	at approx. 300 (Thermogravimetry 10°C/min Heating Rate)
- Vapour Pressure:	(mbar) at 20°C	---
- Density:	(g/cm <sup>3</sup> ) at 20°C	approx. 1.8 (after curing)
- Viscosity:	(mPa*s)	---
- Solubility in Water:		insoluble

### 10. Stability and Reactivity:

**Conditions to avoid:** Formation of dust in the working area, elevated temperature.  
**Reactivity:** Curing at approx. 130 °C

### 11. Toxicological Information:

The dust occurring from cutting and drilling processes is in principle not toxic. Beginners may have skin irritations, however, there is a quick accustoming. Exceptionally skin allergies; this person should be employed elsewhere.

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**12. Ecological Information:**

No data available

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**13. Disposal Considerations:**

After curing: normal industrial waste in accordance with local regulations

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**14. Transport Information:**

Road: no hazardous product

Ship: no hazardous product

Plane: no hazardous product

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**15. Regulatory Information:**

**EC Risk Phrases:**

Not classified as hazardous

**EC Safety Phrases:**

Not classified as hazardous

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**16. Other Information:**

The above mentioned data correspond to our present state of knowledge and experience. The safety data served as description of the product in regard to necessary safety measures. They do not guarantee the described chemical properties.

If you need further information please contact:

Dipl.-Ing. H. Schumacher (Phone: Germany 2421 808673; Fax: Germany 2421 8088673)