

Safety Data Sheet acc. to EC-directive

91/155/EEC

Date Printed: Oktober 12, 2001
Issue Date 94/01

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Company: Isola AG, 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.
Desinfection is useful.

5. Fire-Fighting Methods:

All kinds of fire fighting methods are useful, if possible don't use water. In case of fire the following hazardous components can be produced:
carbonmonoxide, carbon dioxide, hydrogenbromide and organic brominated substances

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 22°C and a rel. humidity of 40 to 50 %. Coldroom storage increases the storage stability of the prepregs.
Further informations: 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: yellow transparent
Odour: odourless

Change of Condition:

- **Boiling Point:** (°C) ---
- **Melting Point:** (°C) at appr. 65 °C
- **Curing:** (°C) appr.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/cm³)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 appr. 130 °C.

11. Toxicological Information:

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

12. Ecological Information:

No data available

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13. Disposal Considerations:

After curing: normal industrial waste in accordance with local regulations.

14. Transport Information:

Road: no hazardous product
Ship: no hazardous product
Plane: no hazardous product

15. Regulatory Information:

EC Risk Phrases:

Not classified as hazardous

EC Safety Phrases:

Not classified as hazardous

16. Other Information:

The above mentioned data correspond to our present state acknowledge 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 informations please contact:

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