Material Safety Data Sheet according to Regulation (EG) No. 1907/2006

Product Name: **IS400**
Revision Date: 22.06.2007 Version: 1.0
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Company: Isola GmbH, D-52348 Düren

Product: IS400

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1. Chemical Characterisation:

Laminates made from glass fabric and cured brominated epoxy resin; one side or both sides cladded with copper foil.

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2. Composition:

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

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3. Hazards Identification:

Not classified as hazardous

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4. First-Aid Measures:

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

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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

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6. Accidental Release Measures:

Be inapplicable

7. Storage and Handling:

Store in a dry place.
For cutting and drilling we recommend a suction system; take care of dust explosions.

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
Colour:	yellowish, opaque
Odour:	odourless

Change of Condition:

- Boiling Point:	(°C)		---
- Melting Point:	(°C)		---
- Glass Transition Temperature:	(°C)		approx. 150 (DSC-Method 20 °C/min Heating Rate)
- Flash Point:	(°C)		---
- Autoignition Temperature:	(°C)		---
- Explosion Limits:	(Vol.-%)	lower: ---	upper: ---
- Thermal Decomposition:	(°C)		at approx. 320 (Thermogravimetry 10 °C/min Heating Rate)
- Vapour Pressure:	(mbar) at 20 °C	---	
- Density:	(g/cm^3) at 20 °C		approx. 1.7
- Viscosity:	(mPa*s)		---
- Solubility in Water:			insoluble

10. Stability and Reactivity:

Conditions to avoid:	formation of dust in the working area
Materials to avoid:	strong oxidizing acids may destroy the material

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.

12. Ecological Information:

No data available

13. Disposal Considerations:

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 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:
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