Date Printed: February 9, 1998 Issue Date 96/01			Page 1 of 3	
Company:	lsola AG,	D-52348 Düren		
Product:	SUPRA-C NEMA FR-2	ARTA®-Cu 96 quality V0-3	51	
1. Chemical Char		,		
Laminates both sides	made from paper or one side cladde	and cured phenolic resin; ad with copper foil		
2. Composition:				
Reinforcement: Resin system:		paper phenolic resin, none halogenous flame retardant		
3. Hazards Identi	fication:			
Not classif	ied as hazardous			
4. First-Aid Meas	ures:			
In case of cut and scratch ca Desinfection is useful.		used by the material wash the woun	nd with water and soap.	
5. Fire-Fighting N	lethods:			
All kinds of fire fighting method in case of fire the following haz conditions of burning: carbonmonoxide, carbondioxid		azardous components may be prod	are useful, if possible don't use water. rdous components may be produced, depending on the , phenol and formaldehyde	
6. Accidental Rel	ease Measures:			

Safety Data Sheet acc. to EC-directive 91/155/EEC Issue Date 96/01 Page 2 of 3 SUPRA-CARTA®-Cu 96 quality V0-351 Product: isola AG, D-52348 Düren Company: 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 ) id Unit Exposure Limit Be inapplicable Personal Protection: - Respiratory Protection: auction system - Hand Protection: skin oream - Eye Protection: useful - Body Protection: - Industrial Hygiene: no eating, drinking or smoking; cleanness necessary. 9. Physical and Chemical Properties: Appearance: sheets Colour brown Odour: typical Change of Condition: - Boiling Point: - Melting Point: - Glas Transition Temperature : approx. 50 (DSC-Method 20°C/min Heating Rate) - Flash Point: - Autoignition Temperature: - Explosion Limits: lower.upper: at approx. 200 (Thermogravimetry 10°C/min Heating Rate) - Thermal Decomposition: (°C). (mbanat 20°C (g/cm³)at 20°C - Vapour Pressure: - Density: approx. 1.4 - Viscosity: (mPa\*s) insoluble - Solubility in Water: 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 occuring 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 Safety Data Sheet 200. to EC-directive 91/169/MEQ leave Date 96/01 Page Kats

Product:

SUPRA-CARTA\*-Cu 96 quality V0-351

Company:

Isola AG, D-52348 Düren

## 13. Dispossi 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 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:
Dipl.-Ing. H. Schumacher ( Phone: Germany 2421 808873; Fax: Germany 2421 808886 )

V351hf.doc