

AISMALIBAR

PRODUCT SAFETY DATA SHEET ACCORDING TO EEC/91/155 RULES

PRODUCT:	ISSUE DATE:	04/09/95	
COBRISOL 611 S	VERSION:	3	DATE: 16/05/02
	NBR. OF PAG.:	3	

1. PRODUCT AND COMPANY DATA

PRODUCT NAME (OR TRADE NAME): **COBRISOL 611-S**

PRODUCT DESCRIPTION:

Cellulose paper-thermosetting phenolic resin laminate, cladged one or both sides with copper foil. Main intended use: base material for printed circuits.

COMPANY ADDRESS:

AISMALIBAR S.A.
Carreter de Ripollet nº 1
E-08110 Montcada i Reixac (Barcelona)

EMERGENCY PHONE: **(34)-93-5656300**

FAX: **(34)-93-5656327**

2. CHEMICAL COMPOSITION. DATA ON COMPONENTS

Roughly percentage excluding copper:

50% Cellulose paper

50% Plasticised phenolic resin

Copper content in standard laminate 1,5 mm, 1 side clad 35 µm, is around 13 %

DANGEROUS COMPONENTS:

DANGER CLASS:

SAFETY PHRASES:

3. HAZARDS IDENTIFICATION

None

4. FIRST AID MEASURES

Not applicable

5. FIRE FIGHTING MEASURES

All the available fire-extinguishing systems could be used. The material is rated as fire resistant. In the even of fire, cautions must be taken with the fumes. Heavy fumes containing phenols and formaldehyde will be released at temperatures higher than 300°C.



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6. MEASURES IN CASE OF SPILLAGE

Not applicable

7. HANDLING AND STORAGE

Can be stored in any indoor clima conditions

8. PERSONAL PROTECTION AND LIMITS OF EXPOSURE

INHALATION:

THRESHOLD LIMIT VALUE: *Not applicable*

*Work in good ventilated rooms during machining or heating processes
Provide of dust safety suction systems during machining processes
Use personnel dust mask in systemic or prolonged dust exposures*

EYES: *Not applicable*

SKIN AND HANDS: *Not applicable*

GENERAL HYGIENIC RECOMMENDED RULES

*Keep working clothes clean of dust, by some safety suction device
Wash the hands before eat or drink during working breaks*

9. PHYSICAL AND CHEMICAL PROPERTIES

NATURE: *Solid, polymeric matrix*

COLOR: *Yellow*

ODOR: *Slightly aromatic*

SPECIFIC GRAVITY: *1,50 kg/m3* (BULK MASS)

SOLUBILITY IN WATER: *insoluble*

IGNITION POINT: *>250 °C*

THERMAL DECOMPOSITION FUMES:

See paragraph 5.

10. STABILITY AND REACTIVITY

The product is stable and unreactive in the normal storage and process conditions



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11. TOXICOLOGICAL INFORMATION

N/A

12. ECOLOGICAL INFORMATION

*The product is not easily biodegradable
Standard lixiviation tests over material in granular form gives levels lower than 20 mg
of free phenol/liter*

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL
*Material could be disposed in underground allowed sites, or incinerated under controlled
conditions. The product is free from halogen derivatives and from dibenzodioxines and
dibenzofuranes precursor components. Checking of the local environmental regulations
is strongly recommended.*

14. TRANSPORT REQUIREMENTS

None

15. REGULATORY INFORMATION

N/A

16. OTHER INFORMATION

International standards covering the product: **IEC-249-2-7**
NEMA FR-2



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