

## 1 - PRODUCT AND COMPANY INFORMATION

### 1-1 Product information

Name : H.T. 220

### 1-2 Manufacturer

PERMALI COMPOSITES  
8, rue André Fruchard  
F-54320 MAXEVILLE - FRANCE  
Telephone : 33.3.83.34.24.24  
Fax : 33.3.83.32.23.18

## 2 - COMPOSITION AND INFORMATION ABOUT COMPONENTS

### 2-1 Description

Laminate made of :  
Glass Fibers  
Thermostable synthetic resin  
Fillers  
cured under pressure and high temperature

### 2-2 Hazardous ingredients

Not applicable [In conformity with the directive 2002/95/CEE](#)

## 3 - HAZARDS IDENTIFICATION

### 3-1 Product itself

No particular indications

### 3-2 Dust generated during machining

Can sometimes cause mechanical irritation to skin and less frequently to eyes

## 4 - FIRST AID MEASURES

When handled correctly, first aid and measures are not necessary  
Please note the comment under point 8

## 5 - FIRE FIGHTING MEASURES

### 5-1 Suitable extinguishing media

Water, dry powder, CO<sub>2</sub>, foam, Halon

5-2 Unsuitable extinguishing media

No restriction known

5-3 Special protective equipment for a fire

In a sustained fire self-contained breathing apparatus should be worn

**6 - MEASURES IN CASE OF INADVERTENT RELEASE**

Not applicable

**7 - HANDLING AND STORAGE**

7-1 Handling

No particular requirement

7-2 Storage

No particular requirement

**8 - EXPOSURE CONTROL AND PERSONAL PROTECTION**

8-1 Product itself

Not applicable

8-2 Dust generated during machining

Correct industrial practice should be followed, with extraction equipment on the machine (extraction speed  $\approx$  22m/s).

Alternatively dust mask should be worn

Safety glasses with white shield are recommended

**9 - PHYSICAL AND CHEMICAL PROPERTIES**

9-1 Appearance

Form : Solid, Colour : light beige, Odour : odourless

9-2 Other information

pH value	:	not applicable
boiling point	:	not applicable
decomposition temperature	:	past 400°C
flash point	:	not applicable
self ignition	:	not applicable
explosion hazard	:	not applicable
vapour pressure	:	not applicable
density	:	1,90

solubility in water : not soluble  
solubility in oil : not soluble  
partition coefficient : not applicable

## 10 - STABILITY AND REACTIVITY

10-1 Conditions to be avoided: none

10-2 Substances to be avoided : none

### 10-3 Hazardous decomposition products

In a sustained fire the product may decompose releasing hazardous products on combustion.

At 600°C decomposition is :

CO : < 7 g for 100g of THERMALITE 220  
CO<sub>2</sub> : < 60g for 100g of THERMALITE 220  
HCl : 0g for 100g of THERMALITE 220  
HBr : 0g for 100g of THERMALITE 220  
HCN : 0g for 100g of THERMALITE 220  
others : < 0,1g for 100g of THERMALITE 220

## 11 - TOXICOLOGICAL INFORMATION

11-1 Acute toxicity : not applicable

11-2 Local effects : not applicable

11-3 Sensitization : not applicable

11-4 Subacute, subchronic and prolonged toxicity : not applicable

## 12 - ECOLOGICAL INFORMATION

12-1 Mobility : not applicable

12-2 Degradability : not bio-degradable

12-3 Bio-accumulation potential : not applicable

12-4 Ecological effects : not applicable

## 13 - DISPOSAL CONSIDERATIONS

H.T. 220 is considered to be an inert solid waste not requiring hazardous waste disposal procedures. However THERMALITE 220 should be disposed of in a land fill in accordance with all applicable, local or state regulations **In conformity with the directive 2002/96/CEE**

**14 - TRANSPORT INFORMATION**

<u>14-1 Surface transport</u>	:	RID/ADR, DoT 49 CFR	:	not dangerous goods
<u>14-2 Inland waterway transport</u>	:	ADN/ ADNR	:	not dangerous goods
<u>14-3 Ocean going transport</u>	:	IMDG	:	not dangerous goods
<u>14-4 Air transport</u>	:	IATA-DGR	:	not dangerous goods
<u>14-5 Further information</u>	:		:	none

**15 - REGULATIONS**

Description of danger and identification letter	:	not applicable
Hazard phrases (R)	:	not applicable
Safety recommendations (S)	:	not applicable

**16 - OTHER INFORMATION**

None

N.B. : The information contained here is based on the present state of our knowledge, without warranty. It neither constitutes quality characteristics nor absolves your personal responsibility when using the product and / or observing legal regulations and conditions.