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## SECTION 5: Firefighting measures

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### 5.1. Extinguishing media:

Water preferred, foam may be used.

### 5.2. Special hazards arising from the substance or mixture:

Do not breathe smoke fumes: Carbon monoxide, alkylphenols, alkylbenzenes.

### 5.3. Advice for firefighters:

When entering burning area: Wear self contained breathing apparatus.

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## SECTION 6: Accidental release measures

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### 6.1. Personal precautions, protective equipment and emergency procedures:

Not relevant.

### 6.2. Environmental precautions:

Not relevant.

### 6.3. Methods and material for containment and cleaning up:

Dampen dust with water. Then transfer material to a suitable container.

### 6.4. Reference to other sections:

Not relevant.

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## SECTION 7: Handling and storage

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### 7.1. Precautions for safe handling:

See SECTION 8.

### 7.2. Conditions for safe storage, including any incompatibilities:

Clean and dry.

### 7.3. Specific end use(s):

See SECTION 1

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## SECTION 8: Exposure controls/Personal protection

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### 8.1. Control parameters:

Occupational exposure limits: Comply with national and local regulations for dust exposure.

DNEL/PNEC: No CSR.

### 8.2. Exposure controls:

Maintain sufficient local exhaust and ventilation when machining. Ventilated air should not be recycled.

Personal protective equipment:

Inhalation: If the local exhaust ventilation is insufficient when machining: Use an approved mask with a particle filter: Type P2. The filter has a limited lifetime and must be changed. Read the instruction.

Skin: Gloves: Normally not required but may prevent skin abrasion during machining.

Eyes: When machining, protect eyes from dust and flying chips with safety goggles.

Environmental exposure controls: None particular.

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## SECTION 9: Physical and chemical properties

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### 9.1. Information on basic physical and chemical properties:

Appearance:	Solid. Light to dark tan or black tubes. May be surface varnished according to customer specifications
Odour:	Slight phenolic odour
Odour threshold:	No available data
pH:	Not applicable
Melting point / freezing point (°C):	Not applicable
Initial boiling point and boiling range (°C):	Not applicable
Decomposition temperature (°C):	See SECTION 10
Flash point (°C):	> 200
Evaporation rate:	Not applicable
Flammability (solid, gas):	Not applicable
Upper/lower flammability or explosive limits (vol-%):	Not applicable
Vapour pressure (bar, 20°C):	Not applicable
Vapour density (air=1):	Not applicable
Relative density (g/ml, 20°C):	1.1 – 1.2
Solubility:	Not applicable
Partition coefficient: n-octanol/water, Log K <sub>ow</sub> :	Not soluble in n-octanol or water
Auto-ignition temperature (°C):	> 200

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## SECTION 9: Physical and chemical properties (continued)

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Viscosity: Not applicable  
Explosive properties: Not applicable  
Oxidising properties: Not applicable  
**9.2. Other information:**  
None relevant

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## SECTION 10: Stability and reactivity

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### 10.1. Reactivity:

Chemically inert. Does not attack other materials.

### 10.2. Chemical stability:

See SECTION 10.1.

### 10.3. Possibility of hazardous reactions:

See SECTION 10.1.

### 10.4. Conditions to avoid:

Sensitivity to mechanical impact: Not sensitive.

Sensitivity to static discharge: Not sensitive. May build up static electricity during handling, depending upon the atmospheric conditions.

Dust explosion hazard: Machining dust may cause dust explosion when not prevented by proper precautions as e.g. exhaustion of dust and grounding of equipment.

Thermal decomposition: Will decompose as a function of temperature and time at temperatures above:

Sheets: 120°C

Tubes: 120°C

### 10.5. Incompatible materials:

None.

### 10.6. Hazardous decomposition products:

See SECTION 5.

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## SECTION 11: Toxicological information (when machining)

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### 11.1. Information on toxicological effects:

Not relevant for industrial laminate.

Information on likely routes of exposure: May be absorbed by inhalation (lungs).

Synergistic products: Tobacco smoke may enhance the effects of inhalation of machining dust.

Symptoms:

Inhalation: Inhalation of large amounts of machining dust may cause acute respiratory problems such as asthma.

Skin: None.

Eyes: Dust may irritate.

Ingestion: Not relevant.

Chronic effects: Prolonged or frequent exposure may cause chronic respiratory problems if not prevented by personal protective measures and/or engineering controls such as local exhaust. When machining the laminate, small amounts of phenols and formaldehyde can be released.

Sensitization to product: Formaldehyde released by machining may cause sensitization (allergy).

Carcinogenicity of product: Formaldehyde is classified as carcinogenic to humans by IARC (Group 1).

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## SECTION 12: Ecological information

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### 12.1. Toxicity:

Not applicable for industrial laminate

### 12.2. Persistence and degradability:

Not relevant.

### 12.3. Bioaccumulative potential:

Not relevant.

### 12.4. Mobility in soil:

Not relevant.

### 12.5. Results of PBT and vPvB assessment:

Not relevant.

### 12.6. Other adverse effects:

Not relevant.

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## SECTION 13: Disposal considerations

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### 13.1. Waste treatment methods:

Comply with national and local regulations for inert waste. Recommended means of disposal are incineration or landfill.  
EWC-Code: 17 02 03 (Laminate)

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## SECTION 14: Transport information

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Not dangerous goods according to ADR/RID.

**14.1. UN-no.:** None.

**14.2. UN proper shipping name:** None.

**14.3. Transport hazard class(es):** None.

**14.4. Packing group:** None.

**14.5. Environmental hazards:** None.

**14.6. Special precautions for user:** None.

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Not relevant.

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## SECTION 15: Regulatory information

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### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:

The materials fulfil the directives:

2000/53/EC End-of life vehicles.

850/2004/EC On persistent organic pollutants (including PFOS (perfluorooctane sulfonates) and pentabromodiphenyl ether)

1907/2006/EC, annex XVII Concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), (including octabromodiphenyl ether)

2011/65/EC On the restriction of the use of certain hazardous substances in electrical and electronic equipment (ROHS), including decaBDE.

### Restriction on application:

Not intended for contact with foodstuffs or animal feed.

Not intended for prolonged skin contact.

Not intended for use in toys for children under 3 years of age.

Not intended for prolonged use at temperatures above 120°C.

### 15.2. Chemical Safety Assessment:

No CSR

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## SECTION 16: Other information

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### Abbreviations:

CMR = Carcinogenicity, mutagenicity og reproductive toxicity.

CSR = Chemical Safety Report

DNEL = Derived No-Effect Level

EC<sub>50</sub> = Effect Concentration 50 %

ECB = European Chemicals Bureau.

ECHA = European Chemicals Agency

FW = Fresh Water

LC<sub>50</sub> = Lethal Concentration 50 %

LD<sub>50</sub> = Lethal Dose 50 %

PBT = Persistent, Bioaccumulative, Toxic

PNEC = Predicted No-Effect Concentration

vPvB = very Persistent, very Bioaccumulative

### Special references used:

Blazsó, M. & Tóth, T., Journal of Analytical and Applied Pyrolysis, 10, (1986), p. 41-50.

IARC = International Agency for Research on Cancer

### Training advice:

No special training is required. However, the user should be well instructed in the execution of the task, be familiar with this Safety Data Sheet and have normal training in the use of personal protective equipment.

### Other information:

None.

### Changes since the previous edition:

1-16 (according to 453/2010)

Section 1.1

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## **SECTION 16: Other information (continued)**

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**Note:**

Information contained herein, while accurate to the best of our knowledge, is intended as a health and safety guide and should not be construed as a warranty for any specific properties. However, as conditions of handling and use of this material are beyond our control, we can accept no liability for damages incurred by the use of this material.

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