

SAFETY DATA SHEET

Conforms to (EG) Nr. 1907/2006



Product name : KAPA[®]tech
Date of issue : 10.07.2014
Printed : 10.07.2014

Version : 1

01. Identification of the substance/preparation and company/undertaking

Name of substance / preparation: Aluminium Composite panel KAPA[®]tech

Commercial product name: KAPA[®]tech

Use of substance / preparation: Composite material for display applications, signs, digital printing, photomounting, cladding of machines, cabins, etc.

Manufacturer / Distributor: 3A Composites GmbH, Osnabrück

Street / POB-No.: Kiefernweg 10

State/postal code/city: DE-49090 Osnabrück

Phone / Fax / E-Mail: +49 (0)541 121 93 27 / +49 (0)541 121 93 94/ heiner.strieck@3AComposites.com

Emergency telephone: +49 (0)541 121 93 0 (Monday to Friday 8am to 4pm)

02. Hazards identification

Classification:

Product must not be classified according to EG-Directive 1999/45/EG.

Further hazards to man and environment:

By the intended use of the material no danger for health and environment is to be expected.

03. Composition/information on ingredients

Chemical characteristics:

Composite panel consist of two aluminium coversheets and a polyurethane foam core. Polyolefin protective film can be removed prior to use.

Hazardous ingredients:

not applicable

04. First-aid measures

General information:

It is an inert material when used for the intended application. No product related accidents or diseases are known. No special first-aid measures required.

Inhalation:

not applicable

Skin:

not applicable

Eye:

not applicable

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Ingestion:
not applicable

Additional First Aid Information:
not applicable

05. Fire fighting measures

The product is difficult to ignite according to EN 13501. For countermeasures in case of fire the surrounding area has to be considered.

Suitable extinguishing media:
Water spray, foam, carbon dioxide.

Extinguishing media which must not be used for safety reasons:
not applicable

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:

Hazardous combustion products: carbon dioxide (CO₂), carbon monoxide (CO), nitrogen oxides (NO_x) and hydrogen cyanid (HCN). Gases can be toxic and irritating when the material is burning.

Special protective equipment for fire fighting:
Use respiratory protection independent of recirculated air.

06. Accidental release measures

Personal precautions:
Use personal protective equipment.

Environmental precautions:
No special requirements.

Methods for cleaning up:
Collect material for disposal or recycling.

07. Handling and storage

Handling precautions:
Use gloves when working with the material. Avoid dust formation.

Precautions against fire and explosion:
No special requirements needed. Store product dry and in distance to fire and source of ignition.

Storage Requirements:
Store material protected against moisture and below 80 °C temperature.

Further information for storage:
not applicable

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Storage classification VCI :

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08. Exposure controls and personal protection equipment

Exposure limits:

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Exposure limited and controlled:

not applicable

Personal protection equipment:

Respiratory protection:

In case of dust formation: fine dust mask P2.

Hand protection:

Use gloves while handling the material.

Eye protection:

Safety glasses are recommended for all kinds of mechanical treatment like sawing, milling, drilling, sanding

Skin protection:

not required

Exposure to the environment limited and controlled:

Collect waste material for recycling

09. Physical and chemical properties

9.1 Appearance:

Physical state / form: solid
Colour: different
Odour: odourless

9.2 Important information about the protection of health, safety and the environment Method:

Danger of explosion:	The product is not explosive.
Lower explosion limit (LEL):	not applicable
Upper explosion limit (UEL):	not applicable
Vapour pressure:	not applicable
Density:	1.5 -2.0 kg/m ³ area weight
Water solubility:	insoluble
pH-Value:	not applicable
Boiling point / boiling range:	not applicable
Melting point / melting range:	not applicable
Flash point:	not applicable
Ignition temperature:	not applicable

9.3 Other information:

Thermal decomposition: Decomposition starts at temperatures > 220°C.

10. Stability and reactivity

General information:

If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

Conditions to avoid:

Temperatures > 100°C

Materials to avoid:

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Acids and bases: chemical reactions can release flammable, explosive hydrogen.

Hazardous decomposition products:

Burning of the coating and the foam core can release toxic and irritating gases.

11. Toxicological information

General information:

The product has not been toxicologically investigated. No toxic impact is known.

Toxicological tests:

not applicable

Experience with man:

By handling the product no damage of health and environment has been observed.

Further toxicological information:

not applicable

12. Ecological information

Ecotoxicity:

The product has not been toxicologically investigated.

Mobility:

not applicable

Persistence and degradability:

The product is stable if used under normal conditions.

Biodegradations / further information:

Biologically not degradable.

General information:

According to present knowledge no adverse influence to environment expected.

13. Disposal considerations

Recommendation:

Taking back by the fabricator possible. If recycling is not possible, apply local/state/federal regulations when material is disposed.

Uncleaned packaging:

If recycling is not possible, apply local/state/federal regulations when material is disposed.

14. Transport information

Land transport ADR/RID:

Road ADR:

Valuation: Not regulated for transport.

Railway RID:

Valuation: Not regulated for transport.

Transport by sea IMDG-Code:

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Valuation: Not regulated for transport.
Marine Pollutant: not applicable

Air transport ICAO-TI/IATA-DGR:

Valuation: Not regulated for transport.

15. Regulatory information

Warning Label (EC):

R-phrases:
not applicable

S-phrases:
not applicable

National regulations:

National and local regulations must be observed.

16. Other information

The product (s) itself contains no dangers for health and environment. Dangers in the industrial applications can only arise through mechanical processing (edging, milling, drilling, etc.) due to dust, shavings and sharp edges.

Further information:

The above information describes exclusively the safety requirements of the product(s) and is based on our present-day knowledge. It does not represent a guarantee for the properties of the product(s) described in terms of the legal warranty regulations. Properties of the product are to be found in the respective product leaflet.

Changes compared to the last issue:

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Datasheet issued by:

3A Composites GmbH
Department for EHS / QM
