

SAFETY DATA SHEET

Nomex Honeycomb

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As this product is an Article according to Regulation (EC) No. 1907/2006 (REACH), there is no legal obligation to issue a Safety Data Sheet. This document is supplied for information purposes only and it is not subject to the formal requirements of safety data sheets under the REACH Regulations.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name Nomex Honeycomb

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Honeycomb core material manufactured from aramid paper and resin.

1.3. Details of the supplier of the safety data sheet

Company name: Easy Composites Ltd
Unit 39, Park Hall Business Village
Longton, Stoke on Trent
Staffordshire
ST3 5XA
United Kingdom

Tel: +44 (0) 1782 454499

Fax: +44 (0) 1782 596868

Email: sales@easycomposites.co.uk

1.4. Emergency telephone number

Emergency telephone +44 (0) 1782 454499
(office hours only)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Not Classified

Health hazards Not Classified

Environmental hazards Not Classified

2.2. Label elements

Hazard statements NC Not Classified

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2.3. Other hazards

Honeycomb core products are considered articles in accordance with the definition of an article in the REACH Regulation, EC No. 1907/2006. The product is not subject to Regulation (EC) No 1272/2008 (CLP). However, dust from working or machining the product is subject to exposure level recommendations. Dust generated during machining operations may cause mechanical irritation of eyes and skin.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Composition comments

This product and its components are considered an Article with no intentional release in accordance with EC No. 1907/2006, REACH Regulation, Aramid honeycomb products with designations ANC may contain residual levels of DMAC (Dimethylacetamide, CAS 127-19-5) above 0.1% (w/w). This originates from the supplier's manufacturing process of aramid paper where DMAC is used as a processing aid. The supplier is implementing a technology upgrade on their manufacturing plants that will achieve a reduction of residual levels of DMAC to <0.1%. This reduction will be fully implemented by the end of 2016. The theoretical concentration of residual DMAC for Aramid honeycomb ANC products is <0.25% w/w. This has been calculated as the highest possible value based on the different product densities and resin content of the Aramid Honeycomb range.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	With any sign of respiratory distress, affected persons should be taken into fresh air and made to rest while medical attention is sought.
Ingestion	If dust from product is ingested, immediately rinse mouth repeatedly with water. If swallowing has occurred, do not induce vomiting. If requested give affected person sips of water. Seek medical attention.
Skin contact	Dust from product should be washed from the skin using warm soapy water. If irritation persists, seek medical attention.
Eye contact	Contamination by dust should be removed by flushing with water for at least 15 minutes. Seek medical attention if irritation persists.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation	Inhalation of dusts during cutting, sanding or machining of this product may cause mechanical irritation of the respiratory tract.
Skin contact	Contact with dust may cause mechanical irritation.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	No specific recommendations. If in doubt, get medical attention promptly.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Water spray, foam, dry powder or carbon dioxide.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards

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Hazardous combustion products The products of combustion and decomposition depend on other materials present in the fire and the actual conditions of the fire. Burning will release carbon dioxide, water, carbon monoxide and compounds of nitrogen.

5.3. Advice for firefighters

Special protective equipment for firefighters Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Due to the physical nature of the product, there is no requirement for special protective clothing in the event of an accidental release.

6.2. Environmental precautions

Environmental precautions Due to the physical nature of this product, environmental release to drains and water courses is not possible.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Clean up spillages of dust using specifically designed vacuum cleaner which is safe for this operation. If sweeping is necessary gentle movements limiting the formation of dust clouds should be used. Do not use plastic bristles or material likely to generate significant static electrical charges.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Do not handle with bare hands. Avoid contact with or inhalation of dust. Provide positive dust extraction and collection from cutting zone. Protect against fire and explosion by avoiding dust formation and ignition sources when machining product. Wash skin thoroughly after handling. Use appropriate skin cream to prevent drying of skin. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store on edge, in a clean dry atmosphere protecting from contamination. Keep away from food, drink and animal feeding stuffs.

7.3. Specific end use(s)

Specific end use(s) As this product is an article, this section is not applicable.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

No exposure limits known for ingredient(s).

The relevant EU Member state Occupational Exposure Limit for Nuisance dust should be observed.

8.2. Exposure controls

Protective equipment



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Appropriate engineering controls	Provide adequate general and local exhaust ventilation.
Eye/face protection	Wear approved safety spectacles, goggles or facemask when working product by hand or machining with power tools.
Hand protection	Avoid skin contact with dust, wear puncture resistant gloves during all handling operations. Keep insides of gloves clean, and if necessary use disposable sleeves for protecting arms.
Other skin and body protection	Ensure forearms are protected by use of gloves with long gauntlet, disposable sleeves or long sleeve overalls.
Respiratory protection	Local exhaust ventilation should be used or an approved respirator worn where dust from machining may arise.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Brown-yellow honeycomb blocks/cut slices.
Colour	Brown-yellow
Odour	Odourless.
Odour threshold	It is not relevant as there is not toxic effect.
pH	Not relevant due to the physical form of this product.
Melting point	Not relevant due to the physical form of this product.
Initial boiling point and range	Not relevant due to the physical form of this product.
Flash point	Not relevant due to the physical form of this product.
Evaporation rate	Not relevant due to the physical form of this product.
Vapour pressure	Not relevant due to the physical form of this product.
Vapour density	Not relevant due to the physical form of this product.
Relative density	Not relevant due to the physical form of this product.
Solubility(ies)	Not relevant due to the physical form of this product.
Auto-ignition temperature	Not relevant due to the physical form of this product.
Viscosity	Not relevant due to the physical form of this product.
Explosive properties	Does not meet the criteria for classification as explosive.
Oxidising properties	Does not meet the criteria for classification as oxidising.
Comments	The indicated values do not necessarily correspond to the product specification. Please refer to the technical data sheet for specification data.

9.2. Other information

Other information	No information required.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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10.2. Chemical stability

Stability	Stable at normal ambient temperatures.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Under normal conditions of storage and use, no hazardous reactions will occur.

10.4. Conditions to avoid

Conditions to avoid Refer to section 5 for further details.

10.5. Incompatible materials

Materials to avoid No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products

Hazardous decomposition products Does not decompose when used and stored as recommended. In an emergency situation leading to elevated temperature, there may be release of toxic gases and vapours. The products of combustion and decomposition will depend on other materials present in the fire and the actual conditions of the fire.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects Not regarded as a health hazard under current legislation.

SECTION 12: Ecological Information

12.1. Toxicity

Toxicity Not regarded as dangerous for the environment.

12.2. Persistence and degradability

Persistence and degradability Not relevant due to the physical form of this product.

12.3. Bioaccumulative potential

Bioaccumulative potential Not relevant due to the physical form of this product.

12.4. Mobility in soil

Mobility Not relevant due to the physical form of this product.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment As this product is an article, this section is not applicable.

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Dispose of waste and collected dust in accordance with local regulations. Product can be disposed of by rotary kiln, high temperature incineration (1100°C).

SECTION 14: Transport information

14.1. UN number

This product is not dangerous to transport.

14.2. UN proper shipping name

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This product is not dangerous to transport.

14.3. Transport hazard class(es)

This product is not dangerous to transport.

14.4. Packing group

This product is not dangerous to transport.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

This product is not dangerous to transport.

14.6. Special precautions for user

This product is not dangerous to transport.

SECTION 15: Regulatory information

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

National regulations

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SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet

CLP Classification, Labelling and Packaging Regulation; Regulation (EC) No 1272/2008
CAS# Chemical Abstracts Service number
EU European Union
PBT Persistent, Bioaccumulative and Toxic substance
REACH Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
UN United Nations
vPvB Very Persistent and very Bioaccumulative

General information

This safety data sheet has been written in accordance with the requirements of the Commission Regulation (EC) No 453/2010 of 20 May 2010.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. However, it remains at all times the responsibility of the customer to ensure that materials supplied are suitable for the particular purpose intended. Easy Composites Ltd accepts no liability for any damage or losses resulting from handling, processing or from contact with the above.