
SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: HONEXT® Board

Generic Name: Cellulose fibre board product

Formula: Mixture

Manufacturer: Honext Material S.L.

Telephone: 0034 667 44 32 83

Address: Ctra. Terrasa Manresa km28,2; 08233 Vacarisas (BCN), Spain

Internet Address: www.honextmaterial.com

Email Address: info@honextmaterial.com

Appearance and odour:

HONEXT® Boards are manufactured with pressure and heat. They are made from upcycled cellulose fibers and non-toxic additives. The thickness is 12mm, the tolerance of the raw board is +/- 0,5mm. HONEXT® boards have both sides textured differently as a result of the two water filtering meshes (top and bottom) used during the production process. As our raw material is 100% mixed waste, the colour of HONEXT® boards may vary slightly within the range of light beige and grey tones. The material can sometimes exhibit patterns similar to water stains on its front face. A newly manufactured board and freshly cut surfaces may have recycled paper odour.

Uses:

Indoor building material. Wall and ceiling claddings, acoustic panels or general purpose building boards.

Uses advised against:

Unless HONEXT® boards are treated with protective coatings, applications that may involve sudden changes in temperature and humidity are not recommended. HONEXT® board applications must be adapted according to the mechanical properties of the panels to avoid damage. HONEXT® boards are not recommended for applications that may involve high temperatures, with the exception of panels specially treated with flame-retardant properties.

SECTION 2.1: HAZARD IDENTIFICATION - OVERVIEW

This product contains no substances considered to be hazardous to health.

Dust Hazard:

Occupational exposure to cellulosic dust has been classified as hazardous according to the criteria of the National Occupational Health and Safety Commission (NOHSC) (version 2021). [Link](#). Inhalation of excessive amounts of dust may cause temporary upper respiratory irritation and/or congestion; and irritation of the eyes and skin. Repeated inhalation of wood dust increases the risk of nasal cancer and may increase the risk of lung fibrosis.

Explosion Hazard:

Depending on moisture content, particle diameter, and rate of heating, cellulose dust may explode in the presence of an ignition source. An airborne concentration of 30,000 mg/m³ is often used as the LEL for cellulose pulp.

SECTION 2.2: HAZARD IDENTIFICATION - POTENTIAL HEALTH EFFECTS

Acute (short term) Health Effects:

Swallowed: Swallowing the dust may cause abdominal discomfort.

Eye: Cellulosic dust may be irritating to eyes resulting in redness and watering.

Skin: No anticipated problem for the product as purchased.

Inhaled: Inhalation of cellulosic dust may be irritating to the nose, throat and lungs.

Chronic (long term) Health Effects:

None expected

SECTION 3.1: INGREDIENTS

INGREDIENT NAME	CAS #	PERCENTAGE	EXPOSURE LIMITS: NOHSC 2021
Cellulose / Hemicellulose	9004-34-6	70-80%	Not applicable for intact products.

The compounds have been compared with the Cradle to Cradle certified product standard list of restricted substances (version 4), and they are not found there.

SECTION 3.2: INGREDIENTS - DUST

INGREDIENT NAME	CAS #	PERCENTAGE	COMPANY RECOMMENDATION
Cellulosic dust	9004-34-6	70-80%	Keep exposures as low as practicable with the aim of keeping dust exposures below 10.0 mg/m ³ measured as inspirable dust NOHSC (2021).

SECTION 4: FIRST-AID MEASURES

Swallowed: If dust is swallowed, give water to drink. Seek medical attention if any abdominal discomfort.

Eyes: Dust may irritate the eyes, resulting in redness or watering. Flush eyes with water to remove dust particles. Seek medical attention if irritation persists

Skin: Wash with soap and water. Remove clothing if contaminated with dust.

Inhaled: Leave the dusty area.

First-aid facilities: Provide eye-wash facilities.

Notes to doctor: Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

Unusual Fire / Explosion Hazards:

Depending on airborne concentration of the cellulosic dust (greater than 40 g/m³), moisture content, particle diameter, surface area, and exposure to an ignition source, airborne cellulosic dust may ignite.

Flammable Properties and Explosive Limits:

Flash Point: not applicable

Lower Explosive Limit (LEL): not applicable

FP Test Method: not applicable

Upper Explosive Limit (UEL): not applicable

Flame Classification: not determined

Auto Ignition Temperature: > 250 °C

Flame Propagation: not determined

Decomposition Temperature: not applicable

SECTION 6: ACCIDENTAL SPILL AND RELEASE MEASURES

Spills/Disposal:

Offcuts and general waste material can be fully recycled and made into new HONEXT® Boards. Contact Honext Material S.L. to dispose of your waste material.

SECTION 7: HANDLING AND STORAGE

Handling/Storage:

HONEXT® Boards must be stored in a ventilated area protected from the elements and away from source of heat, flames or sparks. Humidity and temperature levels must be relative, always avoiding sudden changes in these conditions (indoor storage is recommended).

The boards must be flat during transportation and storage. They must be stacked by dimensions and mounted on supports or chocks that allow the batches to be lifted and handled without damaging the material. The edges must be protected whenever the material is handled, especially when unpacking it.

SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

Summary:

Keep exposures as low as practicable with the aim of maintaining airborne dust levels below 10.0 mg/m³, measured as inspirable dust. All work with wood panels products must be carried out in such a way as to minimise exposure to dust. Under factory conditions, machining, sawing, drilling, routing, laser cutting or sanding of the wood must be done with equipment fitted with local exhaust ventilation devices capable of removing dust and smoke at source. Work areas should be kept clean by regular vacuuming or wet sweeping.

SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

Ventilation:

Local exhaust ventilation should be provided at areas of cutting to remove airborne dust. General dilution ventilation should be provided as necessary to keep airborne dust below the applicable exposure limits and guidelines.

Special Considerations for Repair/Maintenance of Contaminated Equipment:

Use personal protective equipment as discussed above. Where possible, vacuum all equipment before repair/maintenance to remove excessive dust.

Eye: Approved goggles or tight fitting safety glasses are recommended during any operation that generates dust.

Skin: Cloth, canvas or leather gloves are recommended to minimize potential scrapes and mechanical irritation from handling this product.

Respiratory: Use a NIOSH approved filtering facepiece respirator (dust mask) when processing this material.

Feet protection: Steel toed shoes are recommended when handling the boards.

Protective clothing: Not needed for this material.

Work hygiene practices:

Follow good hygiene and housekeeping practices when cutting and sanding this material.

Smoking:

The inhalation of the smoke originated from the burning of this product may increase the risk of lung disease (as other sources like tobacco). All storage and work areas should be smoke free zones and other airborne contaminants be kept to a minimum.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (oF/oC): not applicable

Evaporation Rate (Butyl acetate = 1): not applicable

Melting Point: not applicable

pH: not applicable

Saturation in Air (%): not applicable

Solids Content: not applicable

Specific Gravity (Water = 1): 0.5 - 0.85

Vapor Density (Air = 1): not applicable

Vapor Pressure: not applicable

Viscosity: not applicable

VOCs (g/liter): not applicable

Volatile by Volume (%): not applicable

Water Solubility (%): insoluble

Odor: Little to none

Explosion Limit: Lower: 40 grams of dust per cubic meter air for cellulose dust

SECTION 10: STABILITY AND REACTIVITY

Reactivity: This product is not reactive.

Stability: Stable.

Conditions to avoid : Avoid open flame, sparks and other sources of ignition

Hazardous Polymerization: Will not occur

Hazardous Decomposition Products: Will not occur

SECTION 11: TOXICOLOGICAL AND EPIDEMIOLOGICAL DATA

Any health hazards associated with these products have been evaluated on the basis of the individual ingredients, and these hazards should be assumed to be additive. The hazards described in this document have been evaluated based on a threshold of 1.0% for all ingredients and 0.1% for all carcinogens.

Furthermore, all compounds have been compared with the cradle to cradle certified product standard list of restricted substances (version 4) , and none of them is found there.

Acute toxicity:

The dust, which may be generated during manual or mechanical cutting, drilling, sanding or other abrading processes may cause temporary irritation of the eyes and upper respiratory system. The symptoms are expected to subside after exposure has stopped and are not expected to cause any long term effects.

Carcinogenic effect: Not information available.

Mutagenic effect: Not information available.

Reproductive effect: Not information available.

Chronic Effects: Not information available.

SECTION 13: DISPOSAL CONSIDERATIONS

Summary:

Waste material can be fully recycled and made into new HONEXT® Boards. Contact Honext Material S.L. to dispose of your waste material. This product is not regulated as a hazardous waste by European environmental authorities. Local authority guidelines should be followed in the disposal of waste products and dust.

SECTION 14: TRANSPORT INFORMATION

Transportation:

This product is not regulated as a dangerous good. No special transport requirements are necessary.

Not classified as a dangerous good by the criteria of the adg code

Shipping Name: None Allocated

UN No.: None Allocated

Packing Group: None Allocated

DG Class: None Allocated

Hazchem Code: None Allocated

Subsidiary Risk(s): None Allocated

EPG: None Allocated

SECTION 15: REGULATORY INFORMATION

Honext Material S.L has assessed this product in accordance with the criteria of the National Occupational Health and Safety Commission: NOHSC:(2021) and the Hazardous Substances Information System, the assessment is that occupational exposure to dust , smoke or fume from this product is hazardous according to the criteria of the NOHSC.

SECTION 16: OTHER INFORMATION

Contact Point: Honext Material S.L. C/ d'Aragó, 383, 10^a, 08013 Barcelona, Spain

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