

Material Safety Data Sheet HeartFelt® Ceiling System

Section 1 – Chemical Product Information and Company Identification

Product name : HeartFelt® Ceiling System
CAS# : mixture/ non assigned
Generic name : ceiling system
Description : Needlefelt ceiling panels in conjunction with metal support system
Chemical Name : NA
Hazard Label : not required according EC criteria
Manufacturer :
Hunter Douglas Europe BV
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the Netherlands
Telephone: +31 (0)10 4869911
Trade Names : HeartFelt®, Hunter Douglas

Section 2 – Composition/ Information on Ingredients

Intended Use : for use as a felt ceiling panel in interior building applications in conjunction with a suitable support system.

Composition : Needlefelt product based on inherently flame-retardant modified Polyethylene terephthalate (PET) polymers. Support system consist of aluminium profiles made from EN AW5050 alloy with a polyester finish

Section 3 – Hazards Identification

Health Statement : when subject to the normal use conditions for which they are designed, these products do not present health risks or hazards.
When mechanically cutting these products, it is advised to wear respiration and eye protection. Avoid ingestion or inhalation of any dust or fibres arising from such cutting operations and use a suitable face mask when necessary. When using power tools for cutting it is advised to wear suitable ear protection.

Precautions for Handling and Storage

No special precautions are necessary for normal handling and storage, and no health problems are to be expected from long term exposure during these operations. The products should be kept dry at all times and stored in a dry environment. Ceiling panels and cartons of ceiling accessories vary in weight up to a maximum of 25kg per carton, care should be exercised when lifting and it is advised to wear foot protection.

Personal hygiene is essential; always wash hands thoroughly after handling, particularly before eating.

First-aid measures

Inhalation : Inhalation of fibre dust products should be avoided by providing fresh air ventilation. In case of coughing or other symptoms the person should seek fresh air and - if necessary - see a physician.

Skin contact : Wash with soap and water. If irritation develops, consult a physician.

Eye contact : The eyes should be washed immediately with plenty of water. If irritation continues, consult a physician.

Ingestion : Do not induce vomiting. Consult a physician

Section 4 – Fire Properties

Method used : EN 13501-1

Reaction to Fire Class :

- A2,s1,d0 for all metal elements with polyester coating
- B,s1,d0 for HeartFelt® Ceiling panels

General Fire Hazards : all products in their normal shape are classified as non- or hardly combustible. In its use-shape there is no potential for fire or explosion.

Extinguishing Media : Carbon dioxide (CO₂), water, water fog, dry chemical. Any cooling or oxygen excluding method.

Fire Fighting Instructions : Hazardous burning / decomposition products: Oxides of Carbon (CO, CO₂), oxides of Phosphorus and toxic low-molecular-weight organic compounds (e.g. aldehydes, organic acids, polymer fragments) depending on temperature and air supply. Use of self-contained breathing apparatus is advised.

Section 5 - Handling and Storage

Handling Procedures : use protective equipment as described in section 6 of this material safety data sheet when handling products.

Storage Procedures : warehouse storage should be in accordance with package directions, if any. Material should be kept dry and protected from the elements.

Section 6 – Exposure Controls/ Personal Protection

General Exposure Guidelines

Protective equipment should be provided as necessary to prevent cuts and/or irritation to eyes, skins, respiratory tract and hearing, and to keep exposure levels below the applicable exposure limits. Personal hygiene is essential; always wash hands thoroughly after handling, particularly before eating.

Personal Protective Equipment

General : jewellery like rings, bracelets and hangers should not be worn during any execution of works. Shoelaces should be tightened as should be any clothing pieces that pose a risk of snagging.

Eyes/ Face : safety glasses with side shields are recommended to keep dust out of eyes.

Hands : leather or cotton gloves should be worn to protect against cuts from sharp edges and corners.

Head : head protection should be worn to protect against falling elements

Feet : S3 class safety shoes should be worn to protect against cuts and crushing.

Body : Loose-fitting, snag-free, long-sleeved, long-legged clothing should be worn to protect skin from cuts and irritation.

Section 7 – Physical & Chemical Properties

Appearance : thermo-shaped needlefelt ceiling panels, finished in any colour.

Odour : no significant odour

Physical state : solid

Density : ca. 600 gr/m²

Melting point : PET 513- 523 K

Thermal conductivity : unknown

Thermal exp. coefficient: PET 0.8 10⁻⁴ K⁻¹

VOC : release of Formaldehyde according EN 13964:2014 all executions, class E1. French decree no. 02011-321, March 2011: class A+

Section 8 – Chemical Stability and Reactivity Information

Chemical stability : this is a stable material. This product is not reactive.

Hazardous decomposition: will not occur under normal use conditions

Hazardous polymerisation: will not occur under normal use conditions

Section 9 – Toxicological and Ecological Information

Toxicological information:

No specific data on toxicology are available. To date, proper use of these needlefelt products has not been associated with a special hazard or any detrimental effects on health. In analogy to standard polyethylene terephthalate products we expect that HeartFelt® does represent only a minor health hazard:

Acute oral toxicity : none or only a minor toxicity is possible

Primary irritation effects:

Skin : none or only a weak irritation is possible

Eye : irritation caused by fibre dusty is possible

respiratory tract : irritation caused by fibre dusty is possible

Ecological information:

No specific data on eco-toxicology are available. In analogy to standard polyethylene terephthalate fibre products we expect that also HeartFelt® does represent only a minor environmental hazard as the needlefelt products are in general insoluble in water, not readily biodegradable and mechanically separable.

If subsequent processing involves the use of water, the waste water should be given the appropriate treatment in a purifying plant, in line with local regulations.

Section 10 – Disposal Considerations

Waste Disposal

Waste products are not hazardous and their disposal should be in accordance with local, national and international laws and regulations.

End of Life Treatment

The HeartFelt® Ceiling systems is designed for 100% disassembly. All connections are mechanical and are easy to take apart. Individual elements can be directly reused or refurbished and re-used. When reuse is not achievable then recycling may be considered. In specialised processing plants PET fibres can be remade into base polymers. Aluminium is a valuable resource and can be 100% recycled at end of life without loss of quality. Recycling of aluminium reduces use of primary resources and helps to conserve the environment.

Section 11 – Other Information

HeartFelt® is an article made of manmade fibres and is not subject to European Regulation (EC) 1907/2006 on registration, evaluation and authorization of chemical substances (REACH). Safety Data Sheets or Chemical Safety Reports according to Art. 31 resp. Art. 14 of this regulation are therefore not required. This data sheet was established following Annex II of this regulation. The raw- and auxiliary materials used for the manufacturing of HeartFelt® are predominantly concerned by this regulation.

Prepared for :

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