

## Material Safety data sheet for AIREX<sup>®</sup> C71

According to 2001/58/EG

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1.	<b>Identification of substance / preparation and of the company</b> AIREX <sup>®</sup> C71 Rigid foam (C71.55, C71.75)  <i>Use of substance / preparation</i> : Core material in sandwich constructions  <i>Company identification</i> : Alcan Airex AG CH-5643 Sins (Switzerland) Phone +41 41 789 66 00 Fax +41 41 789 66 60
2.	<b>Composition / Information on ingredients</b> Rigid polymeric foam on the basis of Polyvinylchloride modified by an interpenetrating polymer network with aromatic amides. <i>Blowing agent</i> : Carbon dioxide (CO <sub>2</sub> / produced by the reaction of water with isocyanate components). <i>Further ingredients</i> : Residues of blowing agent. Organic colour pigments. Stabilisers.
3.	<b>Hazards identification</b> AIREX <sup>®</sup> C71 does not constitute any risk to public health and environment if it is used as intended. Fine dust is produced while sawing, milling, grinding and sanding. Irritant fumes may be produced while thermoforming.
4.	<b>First aid measures</b> <i>Inhalation of processing fumes</i> : Move victim to fresh air; obtain medical attention if irritation persists. <i>Inhalation of gases in case of fire</i> : Move victim to fresh air and obtain medical attention. <i>Skin contact</i> : Wash with water. <i>Eye contact</i> : Flush with water if irritation develops. <i>Ingestion</i> : No special measures required. Seek medical attention if symptoms develop.
5.	<b>Fire-fighting measures</b> <i>Suitable extinguishing media</i> : foam, water spray, extinguishing powder, carbon dioxide. <i>Extinguishing media which must not be used</i> : direct water jet. <i>Hazardous combustion products</i> : hydrogen chloride (HCl) and hydrogen cyanide (HCN). Use respiratory protection independent of recirculated air.
6.	<b>Accidental release measures</b> No special measures required.
7.	<b>Handling and storage</b> <i>Handling</i> : No special measures required. <i>Storage</i> : Stow away from immediate and dangerous sources of ignition. Danger of electrostatic charges when stored in very dry areas.
8.	<b>Exposure control / personal protection</b> <i>Exposure limit values</i> : not applicable. <i>Exposure controls</i> : The use of gloves, protective goggles and dust masks and also the use of dust extraction equipment is recommended for sawing, milling, grinding and sanding. For thermoforming, the workplace should be continuously supplied with fresh air. Where necessary, a respiratory protection is recommended.

revised: 27.05.2003

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9.	<b>Physical and chemical properties</b>	
Physical state / form:	Polymer foam sheet with visible cell structure.	
Colour:	various, depending on density.	
Glass transition temperature:	65 to 80 °C	ISO 537
Decomposition temperature	> 220 °C	
Flash ignition temperature	380 °C	ASTM D 1929
Density	50 - 100 kg/m <sup>3</sup>	ISO 845
Solubility	Insoluble in	Water, sea water, acids, alkalis, aliphatic hydrocarbons
	Soluble in	Aromatic hydrocarbons, Ketones, chlorinated hydrocarbons
10.	<b>Stability and reactivity</b>	
	<i>General information:</i> Stable under normal conditions	
	<i>Conditions to avoid:</i> high temperatures (> 180 °C)	
	<i>Materials to avoid:</i> not applicable.	
	<i>Dangerous decomposition products:</i>	Hydrogen chloride (HCl) Hydrogen cyanide (HCN) in small amounts Carbon monoxide (CO) Carbon dioxide (CO <sub>2</sub> )
11.	<b>Toxicological information</b>	
	<i>Toxicological tests:</i> No data available.	
	<i>Experience with man:</i>	
	<i>Skin contact:</i> Does not contain any materials which are known to stimulate allergic reactions. Grinding dust may cause irritation to people with sensitive skin.	
	<i>Eye contact:</i> Dust may cause irritation.	
	<i>Inhalation:</i> Dust may cause irritation of respiration tract.	
	<i>Ingestion:</i> No symptoms known.	
12.	<b>Ecological information</b>	
	<i>Ecotoxicity:</i> The total amount of all heavy metals is <100 mg/kg [ppm].	
	<i>Mobility:</i> Not soluble in water, therefore effects on groundwater are unlikely.	
	<i>Persistence and degradability:</i> Biologically not degradable.	
13.	<b>Disposal considerations</b>	
	Subject to legislation by local authorities, the product can be disposed of together with domestic refuse and industrial waste. Waste and residues can be incinerated in a plant equipped with flue gas washing, together with domestic waste.	
14.	<b>Transport information</b>	
	Railroad	RID no restriction
	Road ADR	no restriction
	Sea IMDG Code	no restriction
	Air	ICAO-TI/IATA-DGR no restriction
	UN-Classification	not required
15.	<b>Regulatory information</b>	
	AIREX <sup>®</sup> C71 rigid plastic foam does not require marking under the dangerous substances and preparation directives 67/548/EWG and 1999/45/EG.	
16.	<b>Other information</b>	
	This issue of the safety data sheet replaces the issue released on 18.2.2000.	
	The information given in this material safety data sheet is accurate to the best of our knowledge, but without any guarantee. It is given in good faith based on the current state of knowledge and experience. It is issued in respect of safety requirements and does not purpose to provide information on the quality of the material.	