



Safety data sheet for AIREX® T90

According to 2001/58/EG

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revised: 03.06.2005

1.	Identification of substance / preparation and of the company AIREX® T90 Rigid foam (T90.100, T90.150, T90.240, T90.320, T90.400) <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.	Composition / Information on ingredients Rigid polymeric foam on the basis of Polyethylenterephthalate. <i>Blowing agent</i> : Carbon dioxide (CO ₂), Nitrogen (N ₂). <i>Further ingredients</i> : Stabilisers.
3.	Hazards identification AIREX® T90 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. Molten product adheres to the skin and causes burns.
4.	First aid measures <i>Inhalation of gases in case of fire</i> : Move victim to fresh air and obtain medical attention. <i>Skin contact</i> : Molten product on the skin should be cooled rapidly with cold water, but not pulled off. Obtain medical attention. <i>Eye contact</i> : Flush with water if irritation develops. <i>Ingestion</i> : No special measures required. Seek medical attention if symptoms develop.
5.	Fire-fighting measures <i>Specific hazards</i> : Not classified as flammable but will burn. Toxic gases contain carbon monoxide (CO) and others. <i>Suitable extinguishing media</i> : foam, water spray, extinguishing powder, carbon dioxide. <i>Extinguishing media which must not be used</i> : direct water jet. Use respiratory protection independent of recirculated air.
6.	Accidental release measures No special measures required.
7.	Handling and storage <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.	Exposure control / personal protection <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.

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9.	Physical and chemical properties	
Physical state / form:	Polymer foam sheet with visible cell structure.	
Colour:	white.	
Melting temperature:	250 °C	
Decomposition temperature:	> 340 °C	
Flash ignition temperature:	370 °C	DIN 51794
Density:	100 - 400 kg/m ³	ISO 845
Solubility	Insoluble in	Water, sea water, acids, alkalis, aliphatic hydrocarbons
	Soluble in	Aromatic hydrocarbons, Ketones, chlorinated hydrocarbons
10.	Stability and reactivity	
	<i>General information:</i> Stable under normal conditions	
	<i>Conditions to avoid:</i> not applicable.	
	<i>Materials to avoid:</i> oxidising agents.	
	<i>Dangerous decomposition products:</i>	Carbon monoxide (CO), acetaldehyde, acidic gases
11.	Toxicological information	
	<i>Toxicological tests:</i> Based on MSDS of base material producer	
	<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> Low toxicity, LD50 > 2000mg/kg	
12.	Ecological information	
	<i>Ecotoxicity:</i> not determined.	
	<i>Mobility:</i> Not soluble in water, therefore effects on groundwater are unlikely.	
	<i>Persistence and degradability:</i> Biologically not degradable.	
13.	Disposal considerations	
	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.	Transport information	
	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.	Regulatory information	
	AIREX®T90 rigid plastic foam does not require marking under the dangerous substances and preparation directives 67/548/EEC and 1999/45/EC.	
16.	Other information	
	This issue of the safety data sheet replaces the issue released on --.--.--.	
	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.	