

## Material Safety data sheet for AIREX<sup>®</sup> T90 T92

According to Regulation (EC) No. 1907/2006

Page 1 of 3

revised: 01.05.2012

1.	<b>Identification of substance / preparation and of the company</b> AIREX <sup>®</sup> T90/T92 Rigid foam (T90.60, T90.100, T90.150, T90.210) (T92.80, T92.100, T92.110, T92.130, T92.200)  <i>Use of substance / preparation :</i> Core material in sandwich constructions  <i>Company identification:</i> Airex AG 5643 Sins, Switzerland Tel +41 41 789 66 00 Fax +41 41 789 66 60
2.	<b>Hazards identification</b> AIREX <sup>®</sup> T90/T92 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. T90.60, T92.80: may contain residuals from physical blowing agent (hydrocarbons)
3.	<b>Composition / Information on ingredients</b> Rigid polymeric foam on the basis of Polyethylenterephthalate.
4.	<b>First aid measures</b> <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.	<b>Fire-fighting measures</b> <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.	<b>Accidental release measures</b> No special measures required.
7.	<b>Handling and storage</b> <i>Handling:</i> No special measures required. Avoid generation or accumulation of dusts. Take precautionary measures against static discharges. Earth all equipment. <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.

[www.3ACorematerials.com](http://www.3ACorematerials.com)



Europe | Middle East | India | Africa

**Airex AG**  
5643 Sins, Switzerland  
T +41 41 789 66 00 | F +41 41 789 66 60  
corematerials@3AComposites.com

North America | South America

**Baltek Inc.**  
High Point, NC 27261, USA  
T +1 336 398 1900 | F +1 336 398 1901  
corematerials.americas@3AComposites.com

Asia | Australia | New Zealand

**3A Composites (China) Ltd.**  
201201 Shanghai, China  
T +86 21 585 86 006 | F +86 21 338 27 298  
corematerials.asia@3AComposites.com

## Material Safety data sheet for AIREX<sup>®</sup> T90 T92

According to Regulation (EC) No. 1907/2006

Page 2 of 3

revised: 01.05.2012

9.	<b>Physical and chemical properties</b>	
	<i>Physical state / form:</i>	Polymer foam sheet with visible cell structure.
	<i>Colour:</i>	White
	<i>Melting temperature:</i>	250 °C
	<i>Decomposition temperature</i>	> 340 °C
	<i>Flash ignition temperature</i>	370 °C                      DIN 51794
	<i>Density:</i>	100 – 240 kg/m <sup>3</sup> ISO 845
	<i>Solubility: Insoluble in:</i>	Water, sea water, acids, alkalis, aliphatic hydrocarbons
	<i>Soluble in:</i>	Aromatic hydrocarbons, ketones, chlorinated hydrocarbons
10.	<b>Stability and reactivity</b>	
	<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.	<b>Toxicological information</b>	
	<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.	<b>Ecological information</b>	
	<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.	<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> T90/T92 rigid plastic foam does not require marking under the dangerous substances and preparation directives 67/548/EWG and 1999/45/EG.	

## Material Safety data sheet for AIREX<sup>®</sup> T90 T92

According to Regulation (EC) No. 1907/2006

Page 3 of 3

revised: 01.05.2012

### 16. Other information

This issue of the safety data sheet replaces the issue released on 29.08.2011

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.