

Safety data sheet for AIREX® R63

According to Regulation (EC) No. 1907/2006 & GHS

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revised: January 23rd, 2017
GM--SDS-013

1. Identification of substance / preparation and of the company

AIREX® R63 Rigid foam

(R63.50, R63.80, R63.140)

Use of substance / preparation : Core material in sandwich constructions

Company identification: Airex AG
5643 Sins, Switzerland
Tel +41 41 789 66 00
Fax +41 41 789 66 60

2. Hazards identification

AIREX® R63 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.

3. Composition / Information on ingredients

Rigid polymeric foam on the basis of Polyvinylchloride (PVC), co-polymerised with methylmethacrylate, foamed using non ozone depleting blowing agents. The material (polymer) is linear and thermoplastic.

Further ingredients:

Residual solvents (< 5 %) (aromatic hydrocarbon).
R11 Highly flammable
R38 Irritating to skin
R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation
R63 Possible risk of harm to the unborn child
R65 Harmful: may cause lung damage if swallowed
R67 Vapours may cause drowsiness and dizziness
S2 Keep out of the reach of children
S36/37 Wear suitable protective clothing and gloves
S46 If swallowed, seek medical advice immediately and show this container or label
S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label where possible
Cobalt soap as promoter compound (approx. 1000 mg/kg [ppm])
R22 Harmful if swallowed
R38 Irritating to skin
R43 May cause sensitisation by skin contact
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
S24 Avoid contact with skin
S37 Wear suitable gloves
S61 Avoid release to the environment. Refer to special instructions/safety data sheet
Lead stabiliser (approx. 8000 mg/kg [ppm])
R61 May cause harm to the unborn child
R62 Possible risk of impaired fertility
R20/22 Harmful by inhalation and if swallowed
R33 Danger of cumulative effects
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Decomposition products of chemical blowing agent

www.airexbaltekbanova.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

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4.	First aid measures	
	<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.	Fire-fighting measures	
	<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).
		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.
9.	Physical and chemical properties	
	<i>Physical state / form:</i>	Polymer foam sheet with visible cell structure.
	<i>Colour:</i>	Yellow.
	<i>Glass transition temperature:</i>	55 to 60 °C ISO 537
	<i>Decomposition temperature:</i>	> 180 °C
	<i>Flash ignition temperature:</i>	310 °C ASTM D 1929
	<i>Density:</i>	50 - 160 kg/m ³ ISO 845
	<i>Solubility: Insoluble in:</i>	Water, sea water, acids, alkalis, aliphatic hydrocarbons
	<i>Soluble in:</i>	Organic solvents such as aromatic hydrocarbons, ketones, chlorinated hydrocarbons
10.	Stability and reactivity	
	<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) Carbon monoxide (CO) Carbon dioxide (CO ₂)

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<p>11. Toxicological information</p> <p><i>Toxicological tests:</i> No data available.</p> <p><i>Experience with man:</i></p> <p style="padding-left: 20px;"><i>Skin contact:</i> Grinding dust may cause irritation to people with sensitive skin.</p> <p style="padding-left: 20px;"><i>Eye contact:</i> Dust may cause irritation.</p> <p style="padding-left: 20px;"><i>Inhalation:</i> Dust may cause irritation of respiration tract.</p> <p style="padding-left: 20px;"><i>Ingestion:</i> No symptoms known.</p>															
<p>12. Ecological information</p> <p><i>Ecotoxicity:</i> Contains cobalt promoter and lead stabiliser.</p> <p><i>Mobility:</i> Not soluble in water, therefore effects on groundwater are unlikely.</p> <p><i>Persistence and degradability:</i> Biologically not degradable.</p>															
<p>13. Disposal considerations</p> <p>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.</p>															
<p>14. Transport information</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">Railroad</td> <td style="width: 20%;">RID</td> <td style="width: 70%;">No restriction.</td> </tr> <tr> <td>Road</td> <td>ADR</td> <td>No restriction.</td> </tr> <tr> <td>Sea</td> <td>IMDG Code</td> <td>No restriction.</td> </tr> <tr> <td>Air</td> <td>ICAO-TI/IATA-DGR</td> <td>No restriction.</td> </tr> <tr> <td>UN-Classification</td> <td></td> <td>Not required.</td> </tr> </table>	Railroad	RID	No restriction.	Road	ADR	No restriction.	Sea	IMDG Code	No restriction.	Air	ICAO-TI/IATA-DGR	No restriction.	UN-Classification		Not required.
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<p>15. Regulatory information</p> <p>AIREX® R63 rigid plastic foam does not require marking under the following directives or is not concerned by the following regulations:</p> <ul style="list-style-type: none"> - Europe: Directive 67/548/EWG, ("DSD"), Directive 1999/45/EC, ("DPD"), Regulation (EC) No 1272/2008 ("CLP"). - US: OSHA .29 CFR 1910.1200 and .49 CFR 171.8 (EPA 40 CFR 117) spill, leak and disposal regulations of the US Department of Transportation. - Canada: WHMIS and TDG. 															
<p>16. Other information</p> <p>This issue of the safety data sheet replaces the issue released on July 22nd, 2016.</p> <p>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.</p>															