



## Material Safety Data Sheet

<b>1. Product and company identification</b>			
<b>1.1. Product identifier:</b> Elastic polyurethane foam.			
<b>1.2. Important identification of the product application:</b> Used in furniture and upholstery industry.			
<b>1.3. Information on the manufacturer</b> <i>CIECH PIANKI Sp. z o.o.</i> ul. Wojska Polskiego 65 85-825 Bydgoszcz Tel./facsimile: +48 (52) 361 23 02)			
<b>2. Hazard identification</b>			
The product is not hazardous. In normal conditions, the product does not constitute a direct danger for human being's life and health.			
<b>3. Information on the content and components</b>			
<b>CAS number</b>	<b>Chemical name</b>	<b>Molecular formula</b>	<b>%</b>
no data	elastic polyurethane	no data	100
No hazardous component in accordance with the Resolution (WE) no. 1272/2008 and Directive 67/548/EU.			
<b>4. First aid</b>			
N/A			
<b>5. Fire fighting measurements</b>			
<b>5.1. Particular hazards connected to the following issues:</b> The material is flammable or slow-burning (refers to combustion modified foams). It burns in flames, emitting a great deal of heat, the fact which results in a fast temperature increase at the place of burning. The fire causes the foam to decompose and emit pairs of toxic compounds, such as hydrogen cyanide (HCN) and carbon dioxide (CO) and irritant fumes, which additionally decrease the visibility.			



**Elastic polyurethane foam**

<p><b>5.2. Extinguishing means</b> In the case of fire use water, CO<sub>2</sub> or dry extinguishing means.</p> <p><b>5.3. Extinguishing means, which cannot be used because of safety reasons:</b> No limitations.</p> <p><b>5.4. Actions methods during the fire:</b> Fire fighting service must use closed type of breathing apparatus and wear protective clothes all over their bodies. Intervention should be conducted by a trained staff, aware of the danger, which occur during the product burning.</p>
<p><b>6. Mode of conduct in the case of non-intentional release into the natural environment</b></p>
<p>N/A. The foam does not constitute any threat the natural environment.</p>
<p><b>7. Handling the product as well as its storage</b></p>
<p>The foam should be stored in dry and clean locations far away from the open sources of fire between the rows and walls of a warehouse in a manner ensuring unrestrained space which enable adequate access.</p>
<p><b>8. The control of concentration as well as means of individual protection.</b></p>
<p>N/A.</p>
<p><b>9. Physical and chemical properties</b></p>
<p><b>9.1 Constitution:</b> solid</p> <p><b>9.2 Colour:</b> depending on type</p> <p><b>9.3 Smell:</b> none</p> <p><b>9.4 Temperatures:</b> Ignition: 293 – 300 degrees Celsius Self-ignition: 400 – 455 degrees Celsius Oxidation: 290 degrees Celsius</p> <p><b>9.5 Explosive properties</b> PUR foam boards – the lower border of explosiveness: 100g/cubic metre PUR foam boards – the upper border of explosiveness: 700g/cubic metre</p>



**Elastic polyurethane foam**

<p><b>9.6 Combustion heat:</b> &lt; 28830 kJ/kg</p> <p><b>9.7 Apparent density:</b> 13,25– 40 kg/cubic metre</p> <p><b>9.8 Solubility:</b> The substance is not soluble in any solution. When it contacts with di- methyl- formamide, methanol solutions as well as other strongly polarising organic solvents gains in capacity.</p>
<p><b>10. Stability and reactivity</b></p>
<p><b>10.1 General information</b> The product is of stabile character. No reactions of danger are known, of the product is stored and applied in accordance with its designed use. As the result of UV radiation surface oxidation may take place.</p> <p><b>10.2 Conditions which are to be avoided</b> Heating up of the material to the temperatures within which the process of foam degradation takes place (above 165 degrees Celsius) as well as ignition (see point 9).</p> <p><b>10.3 Hazardous products of decomposition</b> During the process of combustion of the foam what takes place is the giving out of toxic and irritating compounds (see point 5.1.).</p>
<p><b>11. Toxicology information</b></p>
<p>The product is non-toxic.</p>
<p><b>12. Ecological information</b></p>
<p>The product is neutral from the ecological point of view.</p>
<p><b>13. Handling waste</b></p>
<p>Waste produced subject to the polyurethane foam may be stored within the generally available storage sites of municipal waste. It also may be subject to combustion nevertheless considering toxic gases produced as the result of the aforementioned process, what may be executed is the process of combustion within stoves which are equipped with adequate absorbers.</p>
<p><b>14. Transport information</b></p>
<p>Polyurethane foam is not subject to any RID/ADR provisions of the law. It may be transported with any desired means of transport under the condition that the means of transport which is to be applied shall be clean and adequately covered.</p>



<b>15. Information connected to the provisions of the law</b>
<b>15.1 Labelling</b> In accordance with the provisions of the law connected to the process of labelling of dangerous substances, the product is not subject to any special labelling.
<b>16. Other information</b>
<b>16.1</b> All information have been elaborated in accordance with:  The Resolution (WE) number 1907/2006 of the European Parliament as well as the Council dated 18 <sup>th</sup> December 2006 in accordance to REACH – article 31 as well as in accordance to the Resolution of the Committee (the European Union) number 453/2010 dated 20 <sup>th</sup> May 2010, despite the fact that the product is not classified as a dangerous substance.
<b>16.2</b> All receivers of the product should, with all of the risk and responsibility encumbered upon their side, adhere and apply to the obligatory provisions of the law as well as legal regulations. Considering the aforementioned fact we do not accept any responsibility for damages/losses or costs, which may arise in connection to the liquidation of the product or in any manner connected/affiliated. The aforementioned information are based upon the so far knowledge and do not constitute any declaration of properties and characteristics. The hereinafter safety card has been elaborated for the described product and it may be applied solely for the given product.