

**ITEM 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**

Product Name           Renderplas Beads – made from PVCu for use in construction  
 Labelling                All products are labelled with Renderplas and a corresponding product code  
 Company                 Renderplas Ltd, No. 2, 70-72 High Street, Bewdley, DY12 2DJ ☎01299 888333

**ITEM 2 COMPOSITION / INFORMATION ON INGREDIENTS**

Products contain polyvinyl chloride (PVC) polymer together with polyacrylate modifier, inert pigments and fillers, waxes and acetylacetonate stabilisers.

Name	EC Index No.	CAS Registry No.	W/W%	Risk Phrases
<b>Calcium Carbonate</b> <i>Not Harmful</i>	1317-65-3	-	1-20%	Nil
<b>Bis(Pentane-2,4-dionato)-Calcium</b> <i>Not harmful below 1% W/W</i>	243-001-3	19372-44-2	<0.5%	R22, R41, R43
<b>Di-isononyl Phthalate</b> <i>Not harmful when fused in solid form</i> <i>(EC Official Journal L104/45 – 13.4.2006)</i>	249-079-5	28553-12-0	0-20%	Nil

**ITEM 3 HAZARDS IDENTIFICATION**

- The material is not classified as hazardous. It is not classified as harmful, and there should be no harmful effects or associated risks in normal use, especially since the potentially hazardous components are not freely available as they are fused into solid form and are within safe limits by percentage content.
- Swarf may be generated during sawing.
- Misuse through overheating (over 279 degrees Celsius) will lead to thermal decomposition which will evolve toxic and corrosive gases and vapours.

**ITEM 4 FIRST-AID MEASURES**

- *Skin Contamination* – Not considered a skin sensitizer but swarf from sawing being irregular and fairly hard particles can have an abrasive effect on the skin. This is particularly so where they can form a layer between the skin and clothing.
- *Eye Contamination* – In case of swarf or dust in eyes, rinse with water.
- *Inhalation* – Seek immediate medical attention. Treat as for choking if pieces are large.
- *Ingestion* – Do not induce vomiting. Drink 300ml of water at room temperature, pieces will travel normally through the digestive tract. Seek immediate medical attention if any unusual symptoms appear. [Safety phrases S22, S46]

**ITEM 5 EFFECT OF FIRE**

- Polyvinyl chloride does not readily support combustion, classified as self-extinguishing on removal of fire source; like most organic materials, it can be consumed by fire.
- The major products of combustion/decomposition are carbon dioxide, carbon monoxide, hydrogen chloride and water vapour. Carbon monoxide and hydrogen chloride are toxic with occupational exposure standard of 50ppm and 5ppm respectively and inhalation must be avoided.
- Highly corrosive hydrogen chloride is given off during combustion/degradation. Directly affected areas should be cleaned down with calcium carbonate (chalk, whiting) to remove corrosive decomposition on equipment etc. as soon as possible after the fire has been extinguished.
- Extinguishing Media                   Dry powder, water mist, foam, carbon dioxide, earth, sand.  
Check for special circumstances e.g. live electrical equipment which may affect the choice of extinguisher.
- Protective Equipment           In major fire situations, toxic and corrosive vapours will be evolved.  
Use self-contained breathing apparatus and acid resistant clothing.



<b>ITEM 6 SPILLAGE &amp; LEAKAGE – ACCIDENTAL RELEASE MEASURES</b>
<ul style="list-style-type: none"><li>• Sweep up off-cuts and swarf. Take normal care as when sweeping waste and dust, damp down first if necessary.</li><li>• Dispose of as ordinary waste where recycling is not possible.</li></ul>
<b>ITEM 7 HANDLING &amp; STORAGE</b>
<ul style="list-style-type: none"><li>• Keep product away from heat, strong acids, acetal resin, flammable substances, alkali, oxidising agents; store horizontally in a clean dry area with adequate ventilation. [Safety phrases S2, S13]</li><li>• Normal manual handling precautions should be observed.</li></ul>
<b>ITEM 8 OCCUPATION EXPOSURE LIMITS / PERSONAL PROTECTION</b>
<ul style="list-style-type: none"><li>• Normal personal protection, gloves, eye protection, ventilation for handling construction materials. Do not inhale dust. [Safety phrase S22]</li><li>• On thermal decomposition through fire, toxic vapours will be released: Hydrogen Chloride, Carbon Monoxide.</li></ul>
<b>ITEM 9 PHYSICAL &amp; CHEMICAL PROPERTIES</b>
<ul style="list-style-type: none"><li>• Solid; odourless; not soluble in water (some plasticiser extraction may occur if immersed for long periods).</li><li>• Time dependent decomposition. Softens at 130 degrees Celsius; slow decomposition at 200 degrees; full decomposition above 279 degrees releasing hydrogen chloride fumes.</li><li>• Normally inert. The material will degrade in petrol and polar solvents releasing plasticisers.</li></ul>
<b>ITEM 10 STABILITY &amp; REACTIVITY</b>
<ul style="list-style-type: none"><li>• If handled and stored in a sensible, normal way the product will not present a hazard or cause harmful effects.</li><li>• The material is quite inert.</li></ul>
<b>ITEM 11 TOXICOLOGICAL INFORMATION</b>
<ul style="list-style-type: none"><li>• Inhalation of dust may cause respiratory irritation and coughing.</li><li>• Dust in the eyes may cause temporary irritation.</li><li>• LD50 rating &gt;5000mg/kg</li></ul>
<b>ITEM 12 ECOLOGICAL INFORMATION</b>
<ul style="list-style-type: none"><li>• Ecologically benign; pollution in water course is non-hazardous.</li></ul>
<b>ITEM 13 DISPOSAL CONSIDERATIONS</b>
<ul style="list-style-type: none"><li>• Recycle if possible; disposal should be in accordance with local or national legislation.</li></ul>
<b>ITEM 14 TRANSPORT INFORMATION</b>
<ul style="list-style-type: none"><li>• Not classified as hazardous for transport; spillage on carriageway should be removed when safe.</li></ul>
<b>ITEM 15 REGULATORY INFORMATION</b>
<ul style="list-style-type: none"><li>• PVC product does not normally present a danger to human health by inhalation, ingestion or contact with the skin in the form in which it is supplied. Such preparations do not require a hazard label under EU regulations.</li></ul>
<b>ITEM 16 OTHER INFORMATION</b>
<ul style="list-style-type: none"><li>• The above information describes the product only in terms of Health and Safety according to our current knowledge of the product, accurate at the date of issue. It does not form any part of a product specification or have any other purpose. Users may require training in its application.</li><li>• Should the user require any further information they should contact Renderplas Ltd.</li></ul>
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