

Trade name: **PVC-C CORZAN Industrial Grade (extruded)**

Revision: 18.03.2015

Date of printing: 04.02.2016

1. Identification of substance/mixture and of the company/undertaking	Manufacturer details: SIMONA AG Teichweg 16 D-55606 Kirn Phone: +49 (0) 67 52 14-0 Fax: +49 (0) 67 52 14-211
2. Hazards identification	At ambient temperatures no effects on health are known or expected. Molten material causes skin burns. At high temperatures this product may release smoke gases and vapours, causing irritations of the respiratory passages and/or skin (possibly of serious nature).
3. Composition / Information on ingredients	Chemical characterisation: chlorinated polyvinyl chloride CAS number: 0068648-82-8
4. First-aid measures	General information: - After inhalation: If a person has inhaled an excessive amount of smoke, provide fresh air and – if necessary – perform artificial respiration. - After skin contact: Wash the affected area thoroughly with plenty of soap and water. After contact with molten product, cool the skin quickly with cold water or ice. Do not peel solidified product off the skin. - After eye contact: Rinse eyes with running water, keeping the person's eyelids open. Consult a doctor in all such cases.
5. Firefighting measures	Suitable extinguishants: Foam, solid extinguishing agents or water mist. Unsuitable extinguishants: In the event of large fires carbon dioxide may have no effect owing to a lack of cooling capacity and may thus lead to re-ignition. Special hazard due to the material, its combustion products or developing gases: Combustion, ignition and decomposition cause the release of irritant or toxic gases. Hydrogen chloride has a corrosive effect on a large number of metals. Special safety equipment: Use of portable positive-pressure breathing apparatus or self-contained breathing apparatus and the usual safety equipment for fighting fires is recommended.
6. Accidental release measures	Personal measures: No special safety equipment required. Environmental protection measures: No special measures Procedure for cleaning/collection: Collect (e.g. with sweeping devices) and recover material if possible, or dispose of it according to local rules and regulations. Do not sweep or wash into the sewer or waterways.
7. Handling and storage	Handling: Measures during which smoke gases and vapours are released should be performed with good ventilation. Do not expose the product to high temperatures for any lengthy period because it can decompose and release dangerous gases. Do not store or consume food in the processing area. Dust and fine particles of dust may develop during processing. Powder, dust and/or fine dust can constitute the risk of a dust explosion. Storage: Avoid excess heat. Do not store near combustible agents. Storage rooms with sprinklers are recommended.

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8. Exposure controls / Personal protection	<p>Technical measures (in processing): Always ensure there is effective ventilation and – where necessary – a local extraction system in order to keep away any smoke gases, vapours and/or dust.</p> <p>Personal safety equipment: Breathing masks: If ventilation is adequate, there is no need to wear a breathing mask. Small particles of this product may form during processing. If it is not possible to avoid inhaling particles, a breathing mask must be worn to protect against dust. Hand protection: No special safety equipment required. If material is hot, protective gloves must be worn for handling. Eye protection/body protection: No special safety equipment required.</p>
9. Physical and chemical properties	<p><u>Appearance</u></p> <p>Physical state: semi-finished product, solid state Colour: light grey Odour: not applicable</p> <p><u>Change of state</u></p> <p>Flash point: not applicable Flash point: 480 °C</p> <p><u>Other remarks</u></p> <p>Density: 1.52 g/cm³</p>
10. Stability and reactivity	<p>Conditions to be avoided: Avoid overheating. Hazardous decomposition products: Volatile compounds may form in the event of overheating, combustion or decomposition. Decomposition products may include carbon monoxide, carbon dioxide, hydrogen chloride, organic tin compounds and hydrocarbons. Repeated and prolonged exposure to high concentrations can cause damage to the eyes and respiratory passages.</p>
11. Toxicological information	<p>No toxicity tests have been performed for this material. No harm to health was observed over a period spanning several years.</p>
12. Ecological information	<p>No environmental compatibility tests have been performed for this product.</p>
13. Disposal considerations	<p>Waste must be recycled or incinerated at approved facilities or disposed of at refuse tips in accordance with federal, state and local regulations. Waste code for unused product: EAC code 120 105 Name of waste: PVC</p>
14. Transport information	<p>This product is not subject to any regulations as far as national or international transport is concerned.</p>
15. Regulatory information	<p>EC: According to European Community directives 67/548 and 88/379, this material is not subject to classification.</p> <p>USA: All parts of this product are included either on the list of chemicals in the U.S. Poison Control Act or meet TSCA regulations (U.S. TOXIC SUBSTANCES ACT à TSAC)</p> <p>Water hazard class: 0 (self-classification)</p>

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16. Other information

Traces of contamination: Less than 0.01% (< 100 ppm) residues of chloroform (CAS 67-66-3) and less than 0.005% (< 50 ppm) residues of carbon tetrachloride (CAS 56-23-5) can remain fixed in the polymer. MWC (Maximum Workplace Concentration) identifies this chemical as having carcinogenic potential (III B). The MWC level for both substances is 10 ppm. The presence of these residual chemicals in the polymer is not regarded as hazardous. At a workplace which is well ventilated the potential concentration of carbon tetrachloride remains far below the established limits. Monitoring of production lines indicates that the chloroform levels in workplace air are less than 0.00003% (< 0.3 ppm) and the carbon tetrachloride levels are less than 0.00005% (< 0.5 ppm). Production staff are not obliged to wear special breathing masks.

By providing the above information, which constitutes the current state of our knowledge and experience, we wish to describe our product with regard to possible safety requirements. However, we do not imply any guaranteed properties.

It is the responsibility of product recipients to observe current legislation and regulations.