

Trade name: **SIMONA® PVC-C CORZAN® Industrial Grade**

Revision: 01.01.2013

Date of printing: 07.04.2017

1. Identification of substance/preparation and company	<p>SIMONA AG Teichweg 16 D-55606 Kirn Germany</p> <p>Phone: +49 (0) 67 52 14-0 Fax: +49 (0) 67 52 14-211</p>
2. Possible dangers	<p>This product is a mixture of materials, all of which appear on the EPA inventory of industrial chemicals. Under normal handling conditions, SIMONA® CPVC sheets are classified as "articles" and do not present any recognized health hazards. However, heating of this material, such as softening or melting (welding), may generate small quantities of fumes containing unidentified compounds of hydrogen degradation, organic acids and esters, and hydrogen chloride. Operations such as machining, routing or sawing may generate dust containing low levels of the following ingredients:</p> <p>Component: post-chlorinated polyvinyl chloride</p>
3. Composition / Indications to components	<p>Trade name: SIMONA® PVC-C CORZAN® Industrial Grade Synonyms: SIMONA® CPVC CORZAN® FM 4910 G2 Chemical characteristics: polymer of polyvinyl chloride CAS-Registration-No.: not applicable Formula: not applicable</p>
4. First-aid measures	<p>General comment: Medical aid is not necessary</p> <p>Effect of Overexposure:</p> <p>Acute: Vapors and fumes from processing, especially at elevated temperatures, may cause irritation of the eye, throat and upper respiratory apparatus.</p> <p>Chronic: The following materials are minor encapsulated components of the product and are not believed to constitute an exposure hazard. However, good industrial hygiene practices should be followed to avoid ingestion or inhalation of fumes or dust.</p> <p>Antimony trioxide: Antimony compounds are generally less toxic than antimony. Principal organs attacked include certain enzyme systems (protein and carbohydrate metabolism), heart, lungs, and the mucous membrane of the respiratory tract. Chronic poisoning present symptoms of dry throat, nausea, headache, sleeplessness, loss of appetite and dizziness. Liver and kidney degenerative changes are late manifestations.</p> <p>Organotin compounds: Causes irritation of the eyes and upper respiratory tract. Produces mild conjunctivitis of the eye. Some people may have an allergic response.</p> <p><b>Emergency and first aid procedures:</b> Remove affected individuals to fresh air and call physician. If symptoms persist, get medical attention. Never give anything by mouth to an unconscious person.</p> <p>Routes of exposure: none</p>

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5. Fire-fighting measures	<p>Flammable limits (STP in air): Lower limits: not applicable - Upper limits: not applicable</p> <p>Fire extinguishing media: CO<sub>2</sub>, foam, dry chemical, water spray or fog.</p> <p>Personal protection for fighting fire: Fire fighters must wear positive-pressure, self-contained breathing apparatus and full protective clothing.</p> <p>Hazard warning notice: Because static sparking can occur during handling, all flammable materials should be removed from the immediate vicinity.</p>
6. Measures in case of unintended release	<p>Person-related measures: none</p> <p>Environmental protection measures: not applicable</p> <p>Cleaning equipment: not applicable</p> <p>Unsuitable cleaning products: not applicable</p> <p>In case of spill: Shovel spilled material into suitable container. Do not contaminate soil, groundwater, or surface water</p> <p>Disposal method: Incinerate or use RCRA permitted landfill. Follow all federal, state, and local regulations.</p>
7. Handling and storage	<p>Handling: Measures during which smoke gases and vapours are released should be performed with good ventilation. 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.</p> <p>Storage: Avoid excess heat. Do not store near combustible agents. Storage rooms with sprinklers are recommended.</p>
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.</p> <p>Hand protection: No special safety equipment required. If material is hot, protective gloves must be worn for handling.</p> <p>Eye protection/body protection: No special safety equipment required.</p>
9. Physical and chemical properties	<p><u>Phenotype</u></p> <p>Phenotype / form: semi-finished product, solid state</p> <p>Color: light grey</p> <p>Smell: not applicable</p> <p><u>Change of state</u></p> <p>Crystalline melting range: not applicable</p> <p><u>Other remarks</u></p> <p>Density: 1.520 g/cm<sup>3</sup></p>

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10. Stability and reactivity	<p>Stability (normal conditions): Stable</p> <p>Dangerous decomposition products: Burning in an open flame may yield toxic combustion products. Burning will also emit dense black smoke. No heavy metals. Note: Generates heavy smoke of carbon monoxide and acidic gases during fire. Hazardous decomposition: Hydrogen chloride, organic acids and esters, hydrocarbon fragments. Hazardous polymerization: Will not occur</p> <p>Use of stabilisers: Not applicable Exothermic reactions: Not applicable Notices regarding state of aggregation: Not applicable</p> <p>Conditions to be avoided: Avoid contact of heated PVC sheeting or film with acetal or acetal copolymers and with amine-containing materials. At elevated temperatures, these materials are mutually destructive and involve rapid degradation of the products.</p> <p>Substances/media to be avoided: Contact with alkali, acids and solvents</p>
11. Toxic indications	No toxicity tests have been performed for this material. No harm to health was observed over a period spanning several years.
12. Ecological indications	This product may contain toxic chemical categories subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986. Consult Section II, Hazardous Ingredients.
13. Waste-disposal indications	<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 key for the unused product: EAK-Code 120 105 Waste name: waste of polyvinylchloride.</p>
14. Transport indications	<p>This product is not subject to any regulations as far as national or international transport is concerned. No dangerous product in respect to / according to transport regulations Notice/symbol transport containers: none No dangerous product in respect to / according to transport regulations</p> <p>Notice/symbol transport containers: none Special marking for containers: none Proper shipping name: not regulated Since empty containers retain product residue, follow hazard precautions even after container is emptied.</p>
15. Instructions	<p>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) Water hazard class: 0 (self-classification)</p>