

Trade name: **PVDF-EL**
Date of printing: 24.10.2012

Revision: 07 / 2009

1. Identification of substance/preparation and company	Manufacturer details: SIMONA AG Teichweg 16 D-55606 Kim Phone: +49 (0) 67 52 14-0 Fax: +49 (0) 67 52 14-211
2. Possible dangers	unknown
3. Composition / Indications to components	Chemical characteristics: polyvinylidene fluoride CAS-number: not necessary
4. First-aid measures	General comment: medical aid is not necessary First-aid measures: none Routes of exposure: none Symptoms / effects: none
5. Fire-fighting measures	In case of fire please use gas mask and breathing equipment independent of circulating air. Fire residues must be disposed of according to the local instructions. Suitable fire-fighting appliance: water fog, foam, fire fighting powder, carbon dioxide, Kohlendioxid Hazard warning notice: not applicable
6. Measures in case of unintended release	Person-related measures: none Environmental protection measures: not applicable Cleaning equipment: not applicable Unsuitable cleaning products: not applicable
7. Handling and storage	Handling: 1. Working rooms must dispose of good ventilation, separate flue has to be installed. 2. Do not expose to open flame. 3. Do not smoke in such areas where an accumulation of PVDF dust has to be expected. 4. When welding please avoid an exceeding of the recommended air and tool temperature. When not observing these safety instructions people can suffer from teflon fever (high fever with symptoms of influenza). Medical aid is necessary. Storage: unlimited good storage property
8. Limitation of exposition	Special design of techn. processing facilities: not required Tolerance levels: none Exposure measurement procedures: none Respiratory protection: not required Eye protection: not required Body protection: not required

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<p>9. Physical and chemical properties</p>	<p><u>Phenotype</u></p> <p>Phenotype / form: semi-finished product, solid state Colour: black Smell: not applicable</p> <p><u>Change of state</u></p> <p>Crystalline melting range: 170-174 °C Flash point: not applicable</p> <p><u>Other remarks</u></p> <p>Density: 1.780 g/cm³</p>
<p>10. Stability and reactivity</p>	<p>Thermal decomposition: from 350°C Dangerous decomposition products: Above 350 °C decomposition in toxic fluor containing substances. During the burning process hydrofluoric acid, carbon dioxide and water will develop, in case of incomplete burning also carbon monoxide and low molecular fluorocarbons may arise. Use of stabilisers: none Exothermic reactions: none Notices regarding state of aggregation: none Conditions to be avoided: none Substances/media to be avoided: none</p>
<p>11. Toxic indications</p>	<p>During several years of usage no effects being harmful for the health were observed.</p>
<p>12. Ecological indications</p>	<p>No biodegradation, no solubility in water, no effects being harmful to the environment must be expected. Mobility: not applicable Accumulation: not applicable Eco-toxicity: not applicable</p>
<p>13. Waste-disposal indications</p>	<p>Can be recycled or can be disposed of together with household rubbish (acc. to local regulations). Waste key for the unused product: EAK-Code 120 105 Waste name: waste of fluoro-plastics</p>
<p>14. Transport indications</p>	<p>No dangerous product in respect to / according to transport regulations Notice/symbol transport containers: none Special marking for containers: none</p>
<p>15. Instructions</p>	<p>Marking according to GefStoffV/EG: no obligation for marking Water danger class: class 0 (self classification) Domestic requirements to be observed: none</p>
<p>16. Further indications</p>	<p>The indications are based on our todays knowledge. They are meant to describe our products in respect to safety requirements. They do not represent any guarantee of the described product in the sense of the legal guarantee regulations.</p>