

Trade name: **SIMONA® PFA**
Date of printing: 17.01.2023

Revision: 27.08.2018

1. Identification of substance/ preparation and company	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	Under the provisions of Regulation (EC) No. 1272/2008 this product is classified as a non-hazardous substance. No adverse effects on health are known or expected at ambient temperatures. Molten material causes burns to the skin. At higher temperatures it is possible that this product will emit smoke/ and fumes/vapours that may cause (possibly severe) irritations to the airways and/or skin.
3. Composition / Information on ingredients	Chemical characterisation: Tetrafluoroethylene-perfluoro(propyl vinyl ether) copolymer (perfluoroalkoxy) CAS Number: 26655-00-5
4. First-aid measures	General notes - after inhalation: in the event of excessive inhalation of smoke, take the person affected out into the fresh air and, if necessary, stimulate respiration. - after contact with skin: wash with soap and rinse the affected area thoroughly with water. After contact with molten product cool the affected area immediately with cold water or ice. Do not remove solidified product from the skin. - after contact with eyes: rinse eyes under running water with eyelids open. A doctor is to be consulted in all the aforementioned cases.
5. Firefighting measures	Suitable extinguishing media: foam, dry extinguisher media or water mist. Unsuitable extinguishing media: Carbon dioxide may prove ineffective in the case of large fires due to insufficient cooling capacity, thus resulting in re-ignition. Special exposure hazards arising from the substance or preparation itself, combustion products or resulting gases: irritant or toxic gases are emitted upon combustion, ignition or disintegration. Hydrogen chloride has a corrosive effect on a wide range of metals. Special protective equipment: Use of a positive-pressure breathing apparatus or other self-contained breathing apparatus together with protective equipment for fires is recommended.
6. Accidental release measures	Personal precautions: None Environmental precautions: not applicable Cleaning equipment Unsuitable cleaning products: not applicable
7. Handling and storage	Handling: all measures that may cause the emission of smoke and fumes/ vapours should be performed only in an environment with sufficient airflow. The product must not be exposed to excessive temperatures over a prolonged period of time, as it may disintegrate and produce hazardous gases. Do not store or consume food in the vicinity of the processing area. Dust or particulates may be emitted during processing. Powder, dust and/or particulates may pose the risk of a dust explosion.

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	Storage: avoid excessive heat. Do not store in the vicinity of flammable reagents. Storage facilities should be equipped with fire sprinkler systems.
8. Exposure controls / Personal protection	<p>Technical measures (during processing/fabrication): always ensure effective airflow and, where necessary, localised extraction ventilation to avoid the build-up of flue gases, fumes and/or dust.</p> <p>Personal protective equipment: Respiratory protection: no respiratory protection is required if sufficient airflow has been ensured. Small particles of this product may be emitted during processing/fabrication. If inhalation of particles cannot be avoided, respiratory protection is required. Hand protection: no special protective equipment is required. When handling hot material protective gloves are required. Eye protection/body protection: no special protective equipment is required.</p>
9. Physical and chemical properties	<p><u>Phenotype</u></p> <p>Physical state: solid state, semi-finished product Colour: natural Odour: not applicable</p> <p><u>Change of state</u></p> <p>Flash point: not applicable Flash point: 530 °C</p> <p><u>Other remarks</u></p> <p>Density: 2.150 g/cm³</p>
10. Stability and reactivity	<p>Conditions to be avoided: avoid excessive heat exposure.</p> <p>Hazardous decomposition products: volatile components may be emitted if exposed to excess heat or during combustion and disintegration. Products emitted during disintegration may include carbon monoxide, carbon dioxide, hydrogen chlorides, organotin compounds and hydrocarbons. Recurrent or extended exposure to high concentrations can cause damage to the eyes and airways.</p>
11. Toxicological information	No tests relating to toxicity have been performed on this material. No hazardous effects on health were observed over several years of usage.
12. Ecological information	No tests relating to environmental compatibility have been performed on this product.
13. Disposal considerations	<p>Waste material must be recycled, incinerated or disposed of at refuse dumps in accordance with state and/or local regulations and using approved equipment.</p> <p>Disposal key for unused product: EAK Code 120 105 Name of waste: PFA</p>
14. Transport information	This product is not subject to regulations governing transportation in Germany and abroad.
15. Regulatory information	<p>EG:</p> <p>Pursuant to Regulations 67/548 and 88/379 of the European Community, this product is not subject to classification.</p>

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	<p>USA: All components of this product are included on the list of chemicals governed by the US Toxic Substances Control Act or fulfil TSCA requirements</p> <p>Water hazard classification: 0 (self-assessment)</p>
16. Other information	<p>The information presented above, which represents our current scope of knowledge and experience, is designed to describe our product in respect of possible safety requirements. This is not to be construed in any way as a guarantee with regard to specific properties.</p> <p>The user/recipient of our product shall be solely responsible for observing applicable laws and regulations.</p>