



MATERIAL SAFETY DATA SHEET

Acc. to 1907/2006 (II)

Rev.: 04/20012011

1.	<p><u>Identification of the substance / preparation and of the company / undertaking</u></p> <p>Commercial product name: <u>Spiral wound gasket with PTFE filler (Type 911 / 911 M / 913 / 913M)</u></p> <p>Usage: Gasket material</p> <p>Details of Producer/Supplier: TEADIT International Produktions GmbH Rosenheimerstr. 10 A – 6330 Kufstein/Tirol Tel. +0043 5372 64020 Fax +0043 5372 64020-20 E-mail: austria@teadit.eu</p> <p>Emergency telephone: + 0043 5372 64020 (business hours)</p>
2.	<p><u>Hazards identification:</u></p> <p>A complex compound made up of solids, liquids and gases, e.g. carbon monoxide, carbon dioxide and other organic and inorganic compounds may be forming when this material degrades chemically or thermally.</p> <p>Hazardous combustion products: hydrogen fluoride, carbonyl fluoride, tetrafluoroethylene, hexafluoropropene and perfluoroisobutene.</p> <p>When submitted to temperatures above 260° C hazardous fumes may occur.</p> <p>Toxic gases evolve above 400° C. These can give rise to a characteristic syndrome like influenza (shivering fit, fever, sore throat) which might occur several hours after inhaling the toxic gases and which will subside within 36 to 48 hours. These symptoms are known as „polymer fume fever“.</p> <p>H332/302 Harmful if swallowed.</p> <p>Build-up of static electricity possible!</p>
3.	<p><u>Composition / information on ingredients:</u></p> <p>Spiral wound gasket with PTFE filler</p> <p>Guide ring material (if existing): carbon steel or stainless steel Inner ring material (if existing): stainless steel Spirale material: PTFE with stainless steel</p> <p>CAS Nr.: 9002-84-0 PTFE / ---- stainless steel</p> <p>EINECS Nr.: ---- PTFE / ---- stainless steel</p> <p>Content/concentration: ----</p>

<p>4.</p>	<p><u>First – aid measures:</u></p> <p>General advice: P270 when using do not eat or drink</p> <p>P305 / P351 / P338 avoid contact with eyes</p> <p>P273 do not empty into drains</p> <p>P243 take precautionary measures against static discharges.</p> <p>P280 wear suitable protective clothing</p> <p>P301/330/331 If swallowed, do not induce vomiting: seek medical advice immediately</p> <p>Inhalation: After inhalation of gases, bring affected person(s) outside (fresh air), consult physician.</p> <p>Skin contact: Clean with water and soap. In case of skin irritation consult physician. Cool immediately with cold water after contact with molten product.</p> <p>Eye contact: Rinse the open eye(s) several minutes with clean water, consult physician.</p> <p>Ingestion: Do not induce vomiting, consult physician.</p> <p>Medical advice: ----</p>
<p>5.</p>	<p><u>Fire – fighting measures:</u></p> <p>Extinguishing agent: D powder</p> <p>Unsuitable extinguishing agents: water, foam, ABC powder, BC powder, carbon dioxide</p> <p>Special hazards caused by the material itself, its products of combustion or resulting gases: A complex compound made up of solids, liquids and gases, e.g. carbon monoxide, carbon dioxide and other organic and inorganic compounds may be forming when this material degrades chemically or thermally. Carbon monoxide (CO) is heavier than air and spreads close to the floor.</p> <p>Hazardous combustion products: hydrogen fluoride, carbonyl fluoride, tetrafluoroethylene, hexafluoropropene and perfluoroisobutene.</p> <p>When submitted to temperatures above 260° C hazardous fumes may occur.</p> <p>Toxic gases evolve above 400° C. These can give rise to a characteristic syndrome like influenza (shivering fit, fever, sore throat) which might occur several hours after inhaling the toxic gases and which will subside within 36 to 48 hours. These symptoms are known as „polymer fume fever“.</p> <p>Special protective equipment: wear self–contained breathing apparatus and full protective clothing.</p> <p>Other information: Do not inhale flue gas or dust. Combustion residue has to be completely disposed of. Contaminated extinguishing medium has to be disposed of according to local regulations.</p> <p>Fire – class: D</p>

6.	<p><u>Accidental release measures:</u></p> <p>Personal precautions: Keep away from sources of ignition – No smoking ! Avoid contact with open fire and hot surfaces, toxic substances might be set free. In case of thermal decomposition – avoid inhalation of gases and fumes. Wear suitable protective clothing. Avoid contact with eyes and skin. Danger of slipping – remove spilled product immediately ! Static electricity build-up is possible !</p> <p>Environmental precautions: Prevent substance from reaching sewerage system!</p> <p>Cleaning method: Remove by mechanical means.</p> <p>Additional advice: Dispose of product according to local regulations.</p>															
7.	<p><u>Handling and storage:</u></p> <p>Protection measures for safe handling : Follow usual precaution and security measures when handling this product. Clean hands after using the product. Doff contaminated clothing and protective equipment before eating.</p> <p>Conditions for safe storage taking into account incompatibilities: Cover the product to avoid deposition of dust. Ensure good ventilation of the storage rooms. Protect product against atmospheric exposure.</p>															
8.	<p><u>Exposure controls / personal protection:</u></p> <p>Exposure limits:</p> <table border="1" data-bbox="217 1308 1473 1440"> <thead> <tr> <th>CAS Nr.</th> <th>Description</th> <th>Type</th> <th>Limit</th> <th>Unit</th> </tr> </thead> <tbody> <tr> <td>9002-84-0</td> <td>PTFE</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>(stainless) steel</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>General protection and hygiene conditions: Avoid contact with eyes and skin. Wash hands before breaks and at end of shift. Consult physician if not feeling well. Cover the product to avoid deposition of dust!</p> <p>Respiratory protection: In case of dust, wear dust respirator.</p> <p>Skin protection: Use protective gloves.</p> <p>Eye protection: Use protective goggles.</p> <p>Body protection: Wear suitable protective clothing.</p> <p>Static electricity build-up is possible!</p>	CAS Nr.	Description	Type	Limit	Unit	9002-84-0	PTFE					(stainless) steel			
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9.	<u>Physical and chemical properties:</u>	
	Shape	Shape: Solid Colour: PTFE (white) / Guide ring (silver or blue)
	Odour	Odourless
	Odour threshold	N/A
	pH – value	N/A
	Melting point	N/A
	Cold point	N/A
	Boiling point	N/A
	Flashpoint	N/A
	Evaporations rate	N/A
	Flammability	Starts at app. 260 °C
	Explosion limits	Static electricity build-up is possible! The product itself is not explosive.
	Vapour pressure	N/A
	Density	N/A
	Solubility	N/A
	Spontaneous ignition temperature	N/A
	Decomposition temperature	N/A
Viscosity	N/A	
Explosive characteristics	N/A	
Oxidizing characteristics	N/A	
10.	<p><u>Stability and reactivity:</u></p> <p>Reactivity: No test data available.</p> <p>Chemical stability: Stable under normal conditions.</p> <p>Danger reactions: No known danger reactions known.</p> <p>Conditions to avoid: Avoid contact with highly concentrated acids. Cover the product to avoid deposition of dust! Environmental conditions outside the limits mentioned in the product information.</p> <p>Incompatible materials: Highly concentrated acids. Highly oxidizing substances.</p> <p>Hazardous decomposition: A complex compound made up of solids, liquids and gases, e.g. carbon monoxide, carbon dioxide and other organic and inorganic compounds may be forming when this material degrades chemically or thermally.</p>	
11.	<p><u>Toxicological information:</u></p> <p>No toxicological test data available.</p> <p>After inhaling thermal decomposition products (toxic gases) „polymer fume fever“ may occur as described under item 3.</p>	

12.	<p><u>Ecological information:</u></p> <p>Prevent from reaching sewerage system.</p> <p>Ecotoxicity: No test data available.</p> <p>Mobility: No test data available.</p> <p>Persistence and degradability: No test data available.</p> <p>Bioaccumulative potential: No test data available.</p> <p>Results of PBT assessment: No test data available.</p> <p>Other adverse effects: No test data available.</p>
13.	<p><u>Disposal considerations:</u></p> <p>Treatment of waste: Dispose product according to local regulations. Prevent from reaching sewerage system.</p> <p>Waste code numbers: 160119 / 160799 / 160117</p>
14.	<p><u>Transport information:</u></p> <p>No classification according ADR / RID / IMDG / ICAO / ADN / ADNR has yet been made.</p>
15.	<p><u>Regulatory information:</u></p> <p>No chemical safety report available for this product.</p>
16.	<p><u>Other information:</u></p> <p>This product has been classified according to following EU regulations: (1907/2006; 1272/2008; TRGS 900; etc.)</p> <p>If further information required please contact Producer / Supplier stated in item 1.</p> <p>All information contained herein is based on our actual present state of knowledge and does not involve any guarantee of production properties. Laws and regulations are to be followed by product consignee under his own liability.</p> <p>Revision number: see Page 1</p> <p><i>Date of issue: 21. January 2011</i></p>