**Technical Data Sheet**

**Rhenodiv® SP-2891**

**Release Agents**

**Function**
Semi-permanent, multiple-release coating for curing bladders

**Product description**

<table>
<thead>
<tr>
<th><strong>Composition:</strong></th>
<th>aqueous formulation of cross-linkable silicone polymers</th>
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</thead>
<tbody>
<tr>
<td><strong>Appearance:</strong></td>
<td>milky white liquid</td>
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<tr>
<td><strong>Total solids:</strong></td>
<td>approx. 26 %</td>
</tr>
<tr>
<td><strong>Viscosity 25 °C</strong></td>
<td>approx. 300 mPa.s</td>
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<tr>
<td><strong>Brookfield RV (Sp. 2, 50 rpm):</strong></td>
<td>approx. 75 s</td>
</tr>
<tr>
<td><strong>DIN Cup (3 mm):</strong></td>
<td>approx. 75 s</td>
</tr>
<tr>
<td><strong>Physiological properties:</strong></td>
<td>see safety data sheet</td>
</tr>
</tbody>
</table>

**Use**

**Mode of action:**
Rhenodiv SP-2891 allows to vulcanize tires without pre-treatment with an inside lubricant. Multiple consecutive demoldings are possible before the next coating needs to be applied.

**Processing:**
It is recommended to wipe new bladders with an appropriate solvent in order to remove traces of migrated process oils from the surface. For start-up, it is usually not necessary to apply a first coating directly to the cleaned bladder. It is sufficient to spray the inside of the first one or two green tires either by atomizing air or an airless system. The release coating is transferred to the bladder surface during the vulcanization process. In this way contamination of mold and press can be avoided.

Usually, the release film needs to be renewed at every 10th green tire. The equipment can be cleaned after work with water. Any sticky polymer residues can be easily removed with benzene or toluene.

**Handling:**
Rhenodiv SP-2891 should be homogenized in the original container before use, since a concentration gradient may occasionally form when containers are left standing over a longer period of time. Storage tanks should be homogenized by slow stirring before use.

Equipment should be cleaned right after use with water. Remaining polymer residues can be removed with benzene or toluene.
Dosage: ca. 8 g/m² per spraying operation

Applications: Tires for passenger cars and light commercial vehicles

Handling instructions

Rhenodiv SP-2891 contains reactive silicone groups, releasing small amounts of hydrogen gas at room temperature. The safety cap prevents the build up of excess pressure. Therefore, Rhenodiv SP-2891 should be stored in the original containers only and in well ventilated storage rooms. Do not ship by air. Since the release of hydrogen gas is catalyzed by alkaline, acidic contaminants, or by heavy metal salts, contamination by rust, alkaline, or acidic substances should be avoided. Do not store or process Rhenodiv SP-2891 in metal containers.

Packaging
25 kg jerry cans on 200 kg pallet
50 kg plastic drums on 300 kg pallet
950 kg IBC

Storage stability
Emulsion should be stored at temperatures >2 °C and <50 °C. When stored in original unopened containers and under cool and dry conditions 12 months from date of production.

Handling
Please consult current safety data sheet for additional handling information concerning Rhenodiv SP-2891.

The indicated data are not to be considered as specifications.

Our technical advice - whether verbal, in writing or by way of trials - is given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. It does not release you from the obligation to test the products supplied by us as to their suitability for the intended processes and uses. The application, use and processing of the products are beyond our control and, therefore, entirely your own responsibility. Should, in spite of this, liability be established for any damage, it will be limited to the value of the goods delivered by us and used by you. We will, of course, provide products of consistent quality within the scope of our General Conditions of Sale and Delivery.