Technical Data Sheet

Rhenodiv®
SP-2891

Release Agents

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

Product description

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

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.

RheinChemie Additives

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