

Rhenodiv® SP-2892

Release Agents

Function

Semi-permanent, multiple-release tire inside lube

Product description

Composition: water-based silicon emulsion

Appearance: milky white liquid

Total solids: 47 %

Viscosity 25 °C

Brookfield RV (Sp. 2, 50 rpm): 361 mPa.s

DIN Cup (3 mm): 80 s

Physiological properties: see safety data sheet

Use

Mode of action: Rhenodiv SP-2892 provides effective release properties and excellent lubricity yielding increased productivity. Rhenodiv SP-2892 allows a multiple release of several untreated tires.

Processing: Rhenodiv SP-2892 needs to be homogenized before use. It is recommended to clean new bladders with aliphatic hydrocarbons to remove exuded process oils before use. Rhenodiv SP-2892 can be applied by spraying, sponging, or brushing. After the coating is applied the equipment can be cleaned with water. Sticky polymeric residues can be easily removed with aliphatic hydrocarbons. New bladders may be coated with Rhenodiv SP-2892 24 hours before installation.

In most cases it is not necessary to apply a first coating directly to the cleaned bladder for start-up. It is sufficient to spray the inside of the first one or two green tires like applying a conventional inside lubricant, either with atomizing air or an airless system. The release coating is transferred to the bladder surface during the vulcanization process. Thus contamination of mold and press can be avoided. For redressing the release film, up to every 15th green tire is sprayed with Rhenodiv SP-2892 at the inside as described above.

Dosage: The amount of coating agent required depends upon the size of the tires (about 6 g/m² per spraying operation).

Application: The equipment can be cleaned after work with water. Sticky polymer residues can be easily removed with benzene or toluene.

Packing

25 kg jerry cans on 200 kg pallet, 50 kg plastic drums on 300 kg pallets

Handling instructions

Rhenodiv SP-2892 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-2892 should be stored in the original containers only and in need to be well ventilated storage rooms. Do not ship by air. Since the release of hydrogen gas is catalyzed by alkaline or acidic contaminants or by heavy metal salts, contamination by rust, alkaline, or acidic substances should be avoided. Do not store or process Rhenodiv SP-2892 in metal containers.

Storage stability

Recommended storage temperature: $>2\text{ }^{\circ}\text{C}$ and $<50\text{ }^{\circ}\text{C}$. When stored in the original unopened containers under recommended storage conditions 12 months from date of production.

Handling

Please consult material safety data sheet for additional handling information concerning Rhenodiv SP-2892.

The indicated data are not to be considered as specifications.

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