



Release Innovation™

Chem-Trend Mono-Coat® 1713W - Biocompatible Release Agent for the Manufacture of Medical Silicone Products

Mono-Coat® 1713W meets all requirements of USP Class VI*





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Mono-Coat® 1713W is a biocompatible release agent which Chem-Trend has developed for the manufacture of medical silicone rubber products, such as moulded medical tubes, protective caps and closures. The semi-permanent, water-based release agent is certified in accordance with the USP Class VI panel of tests, and therefore perfectly suited for use in the medical and pharmaceutical industry.

“Because of its high level of purity, its excellent biocompatibility, and its high resistance to mechanical stress silicone rubber is widely used for medical applications,” said Pascal Botzong, European Business Director Rubber, Roto and Friction at Chem-Trend.

The new Mono-Coat® 1713W release agent:

- Meets all requirements on biocompatibility;
- Is ideally suited for use in medical applications;
- Helps to reduce scrap;
- Delivers higher efficiency in the production of silicone rubber medical products;
- Ensures easy release of the finished products from the mould;
- Facilitates the manufacture of clean parts;
- Features excellent temperature and abrasion resistance;
- Offers multiple releases with little to no transfer to the moulded part.

In biological compatibility tests, Mono-Coat® 1713W was found to meet the requirements of a USP Class VI. The USP sets the standards for prescription and over-the-counter medicines and other health care products sold in the United States, as well as food ingredients and dietary supplements. The panel of tests was conducted by NAMSA, a medical research organization that provides expert regulatory, laboratory, clinical and compliance services to medical device and healthcare product manufacturers.

Mono-Coat® 1713W is one of Chem-Trend's first process chemicals that got approval according to the USP Class VI standard for the manufacture of medical silicone products. Previously the certification was also granted to Chem-Trend's Mono-Coat® 1973W, which is used in the manufacture of non-silicone medical rubber components.

“Mono-Coat® 1713W meets all requirements on biocompatibility and is therefore ideally suited for use in medical applications. In addition, the new release agent helps reduce scrap and delivers a higher efficiency in the production of silicone rubber medical products.”

Pascal Botzong, European Business Director
Rubber, Roto and Friction at Chem-Trend.

Chem-Trend is a global leader in the development, production and supply of specialised mould release agents

We have over 50 years of experience making high performance release agents, die lubricants, tyre paints, purge compounds and ancillary products related to moulding, casting and forming operations. Our expertise goes well beyond just the products that we develop and manufacture, it reaches into the production processes of the industries that we serve. Our seasoned professionals help our customers to produce higher quality parts, more efficiently and at lower overall cost.

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*Biological compatibility tests conducted by the independent medical research organisation NAMSA

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