



Liveo™ 365 35% Dimethicone NF Emulsion

Silicone Coating Fluids

Liveo™ 365 35% Dimethicone NF Emulsion is a water-dilutable emulsion containing nonionic emulsifiers and 35% National Formulary Dimethicone.

The emulsion is not manufactured or tested to be pyrogen free. Liveo™ 365 35% Dimethicone NF Emulsion may be used in a variety of applications where it is beneficial to dispense a lubricating silicone fluid in a water-dilutable delivery system.

Applications:

Waterborne silicone fluid for lubrication and siliconisation of glass, metals, plastics and rubber. Excellent lubricating and release characteristics, Good wetting characteristics,

Packaging:

This product is supplied in 16 and 190 kg containers, net weight.

REACH:

Liveo™ 365, 35% Dimethicone NF Emulsion is formulated with an emulsifier (Triton X-100, CAS #903619-5) which has been added to the REACH (Registration, Evaluation, Authorisation and Restriction of Chemicals) Authorisation List administered by the ECHA (European Chemical Agency). DuPont does not intend to file with ECHA for authorisation. Effective 04 July 2019, no new applications for such material in the European Union shall occur without ECHA authorisation. ECHA has communicated a sunset date of 04 January 2021 for the surfactant. In anticipation of these regulatory circumstances, DuPont has developed and made available a similar product, Liveo™ 366 35% Dimethicone NF Emulsion which is intended to replace Liveo™ 365, 35% Dimethicone NF Emulsion in most applications.

Product information

Colour	White -	
Basis	H2O + PDMS -	
Polydimethylsiloxane content	35 %	PhEur 1470

Other properties

Density	990 kg/m ³	ISO 1183
pH	5 -	
Drying rate similar to	water -	



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Storage and stability

Shelf life

36 months

Characteristics

Compatibility

Polyamides, Polyolefins, Polycarbonate, Styrenics, Polyvinylchloride, Polyurethane, Silicones, Fluoropolymers, Acrylic Polymers, Rubber, Nitrile Rubber, Glass, Metals, Composites

Additional Information

How to use

Storage :

To be stored in the original unopened container between 5°C and 40°C. Avoid freezing. Separation/settling may occur during storage. Therefore, it is necessary that all containers be thoroughly mixed prior to use. This product should not be shipped below 0°C. Freeze/thaw cycling may break emulsion.

How to Use:

Before use, DuPont 365 35% Dimethicone NF Emulsion must be mixed thoroughly to ensure that the emulsion is homogeneous. Depending on application, the product may be diluted to around 1–5% silicone with ambient temperature Water For Injection (WFI) water. The resulting solution may be applied to articles by spraying, brushing, wiping or using a dipping bath. After the water has evaporated, which can be accelerated with heat, the resultant coating is comprised mainly of a lubricious, hydrophobic polydimethylsiloxane fluid film. If the treated article can tolerate heat, the durability of the coating may be enhanced by baking; this step can be combined with the water evaporation step. Recommended baking conditions include a temperature less than 200°C to avoid the possibility of oxidation and formaldehyde formation. A cloudy appearance on the surface of a treated article after baking may indicate excessive application or over-baking.

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