Neoprene 571
Liquid Dispersion

TECHNICAL INFORMATION – November 2015

Neoprene 571 Liquid Dispersion contains a high modulus copolymer of chloroprene and sulfur made in an anionic colloidal system.

Table 1 - Typical Liquid Dispersion Properties

Polymer Type	Copolymer of chloroprene and sulfur
Emulsifying agent	Potassium rosinate
Solids, % by weight	50
pH at 25°C [77°F]	>12.0
Specific Gravity at 25°C [77°F]	
Polymer	1.23
Dispersion	1.11
Stability	
Mechanical	Good
Electrolyte	Good
Storage	Good
Freeze/thaw	Not Stable

* These data are presented to describe Neoprene 571 and are not intended to serve as specifications.

Main Features

High Tensil Strength, High Modulus Films
Cured films made from Neoprene 571 liquid dispersion are characterized by high strength in addition to good hot oil resistance and low permanent set.

Suggested End Uses

- Dipped goods
- Cord adhesives
- Elasticized aluminnous cement
- Industrial coatings

Handling and Storage
Before handling Neoprene liquid dispersion, be sure to read the following references “Guide to Safety in Handling and FDA Status of Neoprene Liquid Dispersions” and “Transfer and Storage of Neoprene Liquid Dispersions.”

Information on European Union Dangerous Preparations Directive 1999/45/EC related to Colophony Skin Sensitizaton

Colophony is classified as a skin contact sensitizer under European Union Dangerous Preparations Directive 1999/45/EC effective July 30, 2002. This Directive requires labeling of products that contain colophony at levels equal to or greater than 0.1% (refer to the Directives for specific details). Solid (dry type) Neoprene adhesives grade products manufactured by Denka Performance Elastomer LLC contain about 4% colophony (CAS No. 8050-09-7). Toxicological tests have demonstrated that dry Neoprene is not a skin sensitizer. Because of this testing, dry Neoprene polymer is not subject to mandatory labeling under the above Directive despite the presence of the colophony. However, when these Neoprene adhesive grade products are dissolved in organic solvents, the colophony may still be present at concentrations up to 0.8% depending on the solids content of the solutions. In the absence of data showing the adhesive is not a skin sensitizer, the adhesive could be subjext to the above EU regulation.

We recommend that manufactures and marketers of adhesive solutions based on Denka Performance Elastomers' Neoprene (dry type) adhesive grade products determine whether the colophony level is above 0.1%. If the manufactured preparation has a colophony content of less than 0.1% it will not be subject to mandatory labeling (provided no other consitituents necessitate mandatory labeling). Manufactured preparations that contain higher colophony contents will require the labeling and/or container notices described in the Directive.

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