

## Technical Information

## TEGO® Coagulant 4910

TEGO® Coagulant 4910 is based on organo-modified siloxane and may be used for heat sensitization of natural and synthetic latex.

## Physical properties

Active content	100 %
Density (25 °C)	approx. 1.03 – 1.05 g/cm <sup>3</sup>
Viscosity, dynamic (25 °C) DIN 53019	2 000 – 3 400 mPas
Cloud point (4 % aqueous solution)	40 – 44 °C
pH-value (20 °C)	5 – 8 at 40 g/l water
Solubility	completely soluble in cold water

## Application

TEGO® Coagulant 4910 may be used for heat sensitization of natural and synthetic latex for various applications for instance:

- Production of thin articles like medical gloves or condoms
- Coating of textiles, non-woven or gloves with inlet

## Benefits

The use of TEGO® Coagulant 4910 has no negative impact on the mechanical properties of the produced latex articles and does not influence the stability of the latex below the sensitization temperature.

In comparison to conventional coagulation methods the insert of TEGO® Coagulant 4910 may fasten the production process considerably. Furthermore TEGO® Coagulant 4910 may improve the softening of the produced latex articles.

However, we recommend rapid processing of the treated latex and to secure storage temperatures at least 10 °C below the adjusted sensitization temperature.

## Dosage/ Handling

The required dosage may vary over a wide range depending on the desired sensitization temperature and various process parameters, such as type of latex (polymer type, emulsifier, solid content), type and concentration of other components, etc. We therefore recommend to evaluate the required dosage in suitable lab tests. General speaking a concentration between 0.1 and 1.0 % TEGO® Coagulant 4910 should be sufficient.

By varying the concentration the sensitization temperature can be adjusted from approx. 40 to 50 °C; spontaneous coagulation is observed at the adjusted temperature.

We recommend to apply TEGO® Coagulant 4910 from an aqueous pre-dilution (e. g. 1:10).

## Food contact status

TEGO® Coagulant 4910 may be used as coagulant in aqueous rubber dispersions in compliance with FDA Regulation 21 CFR 177.2600 at a level not to exceed 3 %.

## Registration status

The components of TEGO® Coagulant 4910 are listed in the following chemical inventories:

EINECS, TSCA, DSL, ENCS, AICS, ECL, PICCS and IECSC

Based on the submitted information of our raw material suppliers we can confirm, that TEGO® Coagulant 4910 is compliant with EC Regulation 1907/2006 (REACH).

## Storage stability

TEGO® Coagulant 4910 may be stored in closed containers for at least 1 year.

## Packaging

300 kg pallet (12 x 25 kg cans)

## Hazardous goods classification

Information concerning

- classification and labelling according to regulations for transport and for dangerous substances
- protective measures for storage and handling
- measures in case of accidents and fire
- toxicity and ecological effects

is given in our material safety data sheets.

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