

Product Information

TEGO® Coagulant 4910

PRODUCT DESCRIPTION

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

Typical Properties		
Property	Unit	Value
Cloud Point	°C	40-44
4% aqueous solution		
Density	g/cm ³	1.03-1.05
at 25°C		
pH Value		5-8
at 40 g/l water, at 20°C		
Solubility		completely soluble
in cold Water		
Viscosity	mPa·s	2000-3400
dynamic at 25°C, DIN 53019		

The data represents typical values (no product specification)

TYPICAL APPLICATIONS

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

Product Composition		
Product Composition	Unit	Value
Active Content	wt%	100
The data represents typical values (no product specification)		

BENEFITS & ADVANTAGES

- 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

HANDLING & PROCESSING

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 predilution (e. g. 1:10).

PACKAGING

300 kg pallet (12 x 25 kg cans)

SHELF LIFE

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

HAZARDOUS SUBSTANCE

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.

REGISTRATION LISTING SUMMARY

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).

The relevant components of TEGO® Coagulant 4910 are listed/registered or exempt in the following chemical inventories:

Registration Listings	
Registry	Status
Australia (AICIS)	Yes
Canada (DSL)	Yes
China (IECSC)	Yes
EU (REACH)	Yes
European Union (EINECS/ELINCS)	Yes
Japan (ENCS)	Yes
Korea (KECL)	Yes
Philippines (PICCS)	Yes
United States of America (TSCA)	Yes

FOOD CONTACT COMPLIANCE

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%.

Disclaimer

This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third-party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

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