

## Product Information

## TEGO® CYCLE DW 210

## PRODUCT DESCRIPTION

TEGO® CYCLE DW 210 is a biodegradable dewatering aid based on organo-modified siloxane.

## Typical Properties

Property	Unit	Value
<b>Appearance</b>		Liquid
<b>Color</b>		Colourless to pale straw
<b>Density</b>	g/ml	1.02
20 °C		
<b>Flash Point, min.</b>	°C	100
<b>Viscosity</b>	mPa·s	50-100
25 °C		

The data represents typical values (no product specification)

## TYPICAL APPLICATIONS

TEGO® CYCLE DW 210 is used in a wide range of suspensions to achieve a faster water repellence during filtration or centrifugation.

In the drying step of the mechanical recycling process, TEGO® CYCLE DW 210 reduces the water content in plastic flakes after centrifugation or filtration. In case of foam build up in high dynamic processes or pumping, TEGO® Antifoam 4-94 is recommended as suitable anti-foam. We recommend a dosage of 0.025 up to 0.1%.

In general, TEGO® CYCLE DW 210 is suitable for all industrial processes where water must be removed by filtration or centrifugation.

The pH of the slurry should be in the range of pH 5-8 and the temperature should not exceed 60°C.

TEGO® CYCLE DW 210 can be used in the production of pigments and fillers.

## BENEFITS &amp; ADVANTAGES

- TEGO® CYCLE DW 210 fastens the dewatering process and therefore increases the production speed
- Due to the good dewatering ability the content of water is reduced enormously yielding in lower energy costs for drying

## DOSAGE

To reduce the water content of plastics flakes in the recycling process, a concentration between 0.05% and 0.20% TEGO® CYCLE DW 210 is recommended.

For pigment and filler applications, typically a concentration between 0.1% and 1.0% TEGO® CYCLE DW 210 is applied.

## PACKAGING

4 x 200 kg drums (full pallet)

1 000 kg plastic containers

## SHELF LIFE

TEGO® CYCLE DW 210 is stable in sealed containers for 4 years.

TEGO® CYCLE DW 210 is not sensitive to freezing.

## 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® CYCLE DW 210 is compliant with EC Regulation 1907/2006 (REACH).

Per 40 CFR 180.910, TEGO® CYCLE DW 210 is exempt from the requirement of a tolerance, when used in accordance with good agricultural practice.

TEGO® CYCLE DW 210 is OMRI (Organic Materials Review Institute) listed.

The relevant components of TEGO® CYCLE DW 210 are listed/registered or exempt in the following chemical inventories:

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

## FOOD CONTACT COMPLIANCE

Data available on request.

Microbial compatibility

TEGO® CYCLE DW 210 is biocompatible with microbial control agents like Trichoderma spp., Beauveria bassiana, Bacillus spp..

Together with its water activity, which is one of the key parameters for microbial shelf life stability, TEGO® CYCLE DW 210 is considered as biodegradable additive in water and in wastewater streams.

Biodegradability

Data are given on the SDS and available on request.

### Disclaimer

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