

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

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 & 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
Australia (AICIS)	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

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

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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