

## Product Information

## TEGO® CYCLE WA 111

## PRODUCT DESCRIPTION

TEGO® CYCLE WA 111 is a non-foaming, non-ionic organic surfactant used in plastic recycling processes for the deinking, de-labeling and demetallizing of plastic packaging waste.

## Typical Properties

Property	Unit	Value
<b>Appearance</b>		colorless, clear liquid
<b>Density</b>	g/cm <sup>3</sup>	0.95-0.95
<b>Viscosity</b> 25 °C	mPa·s	20-32

The data represents typical values (no product specification)

## TYPICAL APPLICATIONS

- TEGO® CYCLE WA 111 is a non-foaming surfactant for delabeling, demetallizing and deinking in the washing process of plastic recycling lines
- Highly effective surfactant for use in, e.g., float-sink and washing processes of plastic recycling
- TEGO® CYCLE WA 111 improves the wetting properties of aqueous dispersions on difficult substrates and may therefore be used in a variety of applications of pressure sensitive adhesives in high dynamic processes
- Improves the wetting and spreading properties of aqueous media such as full synthetic and semi synthetic Metal Working Fluids (MWF). Additionally it provides excellent dispersing properties on finely ground aluminium swarf
- In a multitude of other industrial applications where negative interaction between substrates and coatings has to be overcome

## Product Composition

Product Composition	Unit	Value
<b>Active Content</b>	%	100

The data represents typical values (no product specification)

## BENEFITS &amp; ADVANTAGES

- TEGO® CYCLE WA 111 is a non-foaming wetting agent for water-based systems
- It is solvent and silicone-free
- Due to the special selection of active ingredients TEGO® CYCLE WA 111 outperforms conventional wetting agents due to the non-foaming behavior and its fast surface migration

## DOSAGE

Depending on the application in question the required dosage may vary over a wide range (0.1% to 1.0%); suitable screening test are therefore recommended (initial dosage 0.3%).

## HANDLING &amp; PROCESSING

TEGO® CYCLE WA 111 may be added to the dispersion as delivered.

Predilutions are possible and could be beneficial depending on the facilities.

## PACKAGING

190 kg drum

## SHELF LIFE

TEGO® CYCLE WA 111 is stable in closed containers for a minimum of 12 months.

## 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 WA 111 is compliant with EC Regulation 1907/2006 (REACH).

The relevant components of TEGO® CYCLE WA 111 are listed/registered or exempt in the following chemical inventories:

Registration Listings	
Registry	Status
<b>Australia (AICIS)</b>	Yes
<b>Canada (DSL)</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

Information on the food contact status of TEGO® CYCLE WA 111 is 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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