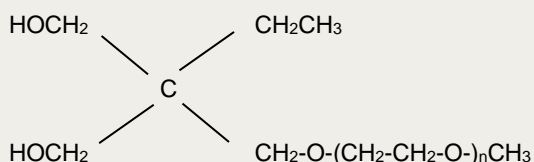


## Technical Information

## TEGOMER® D 3403

TEGOMER® D 3403 is a Polyether-1,3-Diol.



## Physical properties

Appearance	
Functionality	2
Water content	max. 0.1 %
Viscosity (25 °C)	solid
Hydroxyl number	92 ± 7 mg KOH/g
Acid number	max. 1 mg KOH/g
Melting point	40 ± 2 °C
EO/PO	100/0
Molar mass	approx. 1 200 g/mol

## Description

Due to its two hydroxyl groups TEGOMER® D 3403 may be used as a co-monomer for the production of polyester and polyurethanes. Depending on the EO/PO ratio the resulting polymer will be more hydrophilic or better soluble in organic solvents. TEGOMER® D 3403 is specifically purified for the conversation with isocyanates.

TEGOMER® D 3403 is miscible with water and most organic solvents like glycols, ethanol, chloroform, acetone, toluene and xylene. It is not miscible with paraffines.

## Suggested formulation of a PU dispersion with TEGOMER® D 3403

The ratio of PTHF 1000 to TEGOMER® D 3403 may be adjusted to achieve the requested property which is needed for the designed application.

That means it is possible to substitute more PTHF 100 by TEGOMER® D 3403 than suggested.

## Synthesis TPU

PTHF 1000	300.0 g
TEGOMER® D 3403	50,0 g
IPDI	150.0 g

## Synthesis Emulsification

TPU	500,0 g
Water	700.0 g
Hydrazine	5.5 g

## Food contact status

## FDA Regulation

TEGOMER D 3403 may be used in compliance with 21 CFR 175.105 (adhesives) and 21 CFR 175.300 (coatings) without any restriction.

## Swiss Ordinance

TEGOMER D 3403 is in compliance with the "Ordinance of the FDHA on Materials and Articles (SR 817.023.21)". All components (additives and / or monomers) are listed in Annex 6 in the lists for evaluated (A) substances.

## European Regulation 10/2011

All monomers of TEGOMER D 3403 are listed in the EU-Regulation 10/2011 without any restriction.

## Registration status

The ingredients of TEGOMER® D 3403 are listed in the following inventories: EINECS, TSCA, DSL, KECL, ENCS, PICCS, TCSI

Based on the submitted information of our raw material suppliers we can confirm, that TEGOMER® D 3403 is compliant with EC Regulation 1907/2006 (REACH).

## Storage

This product is slightly hygroscopic and therefore should be kept in closed containers.

Shelf-life is 12 months.

## Packaging

200 kg steel drums (pallet: 4 x 200 kg)

## 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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