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# Solvenon® TPnB

Solvenon® TPnB is a mixture of various isomeric compounds. It is a clear, light yellowish, mobile liquid which has a high boiling point and is not easily volatile. It is nearly odorless.

## Chemical nature

Mixture of propylene glycol mono butyl ethers, Tripropylene glycol mono n-butyl ether

Molecular formula	C <sub>13</sub> H <sub>28</sub> O <sub>4</sub>
Molar mass	248.4 g/mol
CAS-No.	55934-93-5
EC-No.	259-910-3

## Delivery specification

Property	Value	Unit	Test method
- Butoxy dipropanols	2 max.	%	GC-Method BASF
- Butoxy tripropanols	95.0 min.	%	GC-Method BASF
- Water	0.1 max.	%	DIN 51777, Part 1
Pt/Co color value (Hazen)	25 max.	-	DIN EN ISO 6271

## Properties

Solvenon® TPnB is a mixture of various isomeric compounds. It is a clear, light yellowish, mobile liquid which has a high boiling point and is not easily volatile. It is nearly odorless.

Due to their ether and alcohol reactive groups the various isomeric compounds which are part of Solvenon, have a very high solubilizing power for numerous paint and surface-coating raw materials like resins, binding agents, etc.

Solvenon® TPnB may react with oxygen from the air to give peroxides.

**Physical data**

The following physical data were measured in the BASF SE laboratories. They do not represent any legally-binding guarantee of properties for our sales product.

Property	Condition	Value	Test method
Boiling range	at 1013 hPa	272 – 282°C	
Density	at 20°C	0.91 – 0.94 g/cm <sup>3</sup>	
Refractive index n <sub>20D</sub>		1.429 – 1.435	
Evaporation rate	ether = 1	Above 10 000	DIN 53170
Solidification point		Below -20°C	
Water solubility	at 20°C	Partially soluble	

**Applications**

Solvenon® TPnB can be used as coalescing aid for water-borne architectural and industrial paints and coatings. Other applications for Solvenon® TPnB are as follows:

- as a solvent by the manufacture of ball point pen pastes and printing inks
- as an additive by cleaning agents
- as a solvent by latex and paint dispersions

**Storage & Handling**

Solvenon® TPnB should be stored under nitrogen. The storage temperature must not exceed 40°C and moisture are excluded. Under these conditions, a storage stability of 6 months can be expected.

**Safety**

When using this product, the information and advice given in our Safety Data Sheet should be observed. Due attention should also be given to the precautions necessary for handling chemicals.

**Note**

The data contained in this Technical Information is based on our current knowledge and experience as well as our investigations according to the today's state-of-the-art. In view of the many factors that may affect processing and application of the Product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the Product for specific purpose. No liability of BASF can be derived therefrom. It is the responsibility of the recipient of the Product to ensure that any proprietary rights and existing laws and legislation are observed.

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