

## Technical Data Sheet

Revision Date: 2020-09-01  
Name: WANNATE™ IPDI

NO. PCS\_0004  
Version: 5.0

### Application

WANNATE™ IPDI (Isophorone Diisocyanate, 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate) is a cycloaliphatic diisocyanate. It is a low-viscosity liquid with a weak but specific odour.

Ignition Temperature	~ 430 °C
Density (20 °C)	~1.06 g/cm <sup>3</sup>
Viscosity (25 °C)	~10 mPa s

WANNATE™ IPDI is raw material for polyurethanes. Polyurethane resins based on WANNATE™ IPDI have a high resistance to yellowing as well as the typical properties of polyurethanes such as good mechanical properties and chemical resistance. WANNATE™ IPDI is characterized by excellent compatibility with other resins and good solubility in all groups of common solvents such as ketones, esters, aromatics, etc.

### Specification

Properties	Unit	Specification
IPDI Purity	(A/A)%	≥ 99.50
NCO Content	%	≥ 37.50
Chromatic Number	APHA	≤ 30
Hydrolysable Chlorides	%	≤ 0.0200
Total Chlorides	%	≤ 0.0400

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**Package**

200 kg          Metal drum

Other packages available according to customer needs

**Storage / Solubility**

WANNATE™ IPDI is sensitive to moisture and therefore should be stored in its sealed original containers. Water or moisture in the air reacts with the product and generates pressure. If partially filled containers are stored, it is advisable to blanket the liquid surface with dry nitrogen before sealing.

**Shelf Life**

WANNATE™ IPDI is sensitive to moisture and must be stored in tightly sealed container. It can be stored for at least 12 months at temperatures between 0 and 30 °C.

**For more information about safety and environment, please refer to our MSDS or contact our customer service center.**

**Version Information:**

Date of first issue: June 6, 2013

Date of 1<sup>st</sup> revise: Feb 19, 2017 Reason for revision: Change of contact information

Date of 2<sup>nd</sup> revise: June 9, 2017 Reason for revision: Change of company LOGO

Date of 3<sup>rd</sup> revise: Sep 1, 2017 Reason for revision: Change of shelf life

Date of 4<sup>th</sup> revise: Sep 1, 2020 Reason for revision: Change of version

**For further information please contact us:**

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The information provided here is for reference only. The specification will be provided in the quality certificate or in the contract. It is the user's responsibility to test the material and its suitability for a process. We have no control over what another party does with the material and we cannot take any responsibility for another party's action. Nor will we be responsible for any indirect damages while using our products. The user is welcome to contact our customer and technical service center with questions on our products.