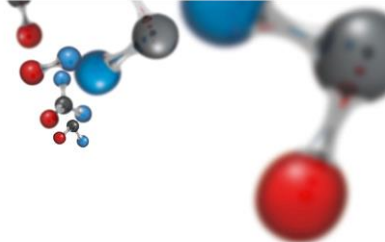


# TECHNICAL DATA SHEET (TDS)

## ONGRONAT® 1065



- **Product description:** ONGRONAT® 1065 is a mixture of m-tolylidene diisocyanate isomers: 4-methyl-m-phenylene diisocyanate and 2-methyl-m-phenylene diisocyanate in a nominal ratio of 1.86
- **Appearance:** Water clear liquid at room temperature
- **Industry:** Furniture, Bedding & Decoration
- **Applications:** ONGRONAT® 1065 is an aromatic isocyanate component for the production of flexible polyurethane foams used in various products like mattresses and pillows

### SPECIFICATIONS

Property	Value	Dimension	Test Method
Purity	min. 99.5	wt%	BorsodChem Method TVM-380
2,4 isomer content	65.0 – 69.0	wt%	BorsodChem Method TVM-340
Acidity [as HCl]	max. 20	ppm	BorsodChem Method TVM-337-3
Hydrolysable chlorine [Cl]	max. 100	ppm	BorsodChem Method TVM-337-4

### OTHER PROPERTIES\*

Property	Value	Dimension
Total chlorine content	max. 500	ppm
Colour	max. 15	APHA
Solidification temperature	6-8	°C
Density [at 25°C]	1.21	g/cm <sup>3</sup>
Viscosity [at 25°C, dynamic]	3	mPa.s

\*Values given in the section of „other properties“ are only typical ones, therefore they are not to be considered as part of the specification.

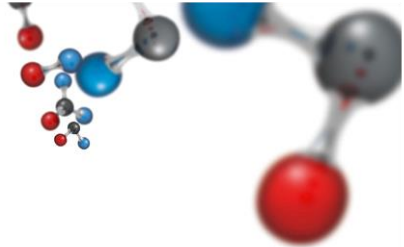
### PACKING, STORAGE & TRANSPORT

Transport and packing: ONGRONAT® 1065 can be delivered in mobile tanks, road tankers or non returnable metal drums under nitrogen blanket. ONGRONAT® 1065 is loaded in the temperature range of 30 - 36 °C in the case of bulk delivery. Please note that based on the distance of the destination the delivery temperature may differ from the loading temperature, but still remains in the range of 20 – 40 °C. In case of intermodal delivery the above delivery temperature can not be warranted! ONGRONAT® 1065 is delivered according to the above mentioned delivery temperature ranges in the lack of any special requirement. Recommended storage temperature of ONGRONAT® 1065 is 15 - 40 °C. To avoid chemical reaction with water, contact with atmospheric humidity needs to be prevented. Since atmospheric oxygen may cause discoloration, application of nitrogen blanketing in the storage tank is recommended. CO<sub>2</sub> is not suggested to be used as an inert gas, since it dissolves well in isocyanates. During the

transportation, loading and storage of the drummed product the instructions of ADR, RID, IMDG and the recommendation of ISOPA have to be observed strictly. The product preserves its quality for 12 months from date of its production, however quality preservation can only be guaranteed besides the strict observation of the above information. If the ONGRONAT® 1065 isomer mixture is cooled below the advised storage temperature the product tends to undergo fractionated crystallization during that the 2,4-isomer content will start to crystallize first. Consequently, in case of partial crystallization the liquid phase above the crystals will have a different isomer ratio than stated on the certificate of analysis. If crystallization occurs, warming up the solidified product needs to be made with care under intensive and continuous agitation. After melting and thorough mixing the original isomer ratio of the product, as stated on the Certificate of Analysis, is restored. Discoloration occurs only after prolonged effect of high temperature.

# TECHNICAL DATA SHEET (TDS)

## ONGRONAT® 1065



### SAFETY PRECAUTIONS

Handle the material with care. Avoid contact with water and moisture. Reaction with water always results formation of CO<sub>2</sub> and therefore increase of pressure in the closed storage container. Avoid contact with skin and eyes. Do not inhale the

vapours of the product. Detailed safety information available on the [www.borsodchem-group.com](http://www.borsodchem-group.com) website and in the specific Safety Data Sheet.

Version: English  
Date: 07.04.2016  
Technical Data Sheet (TDS)  
ONGRONAT® 1065

[www.borsodchem-group.com](http://www.borsodchem-group.com)

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