



# Desmophen<sup>®</sup> NH 1420

**Characterization**

Aminofunctional co-reactant for polyisocyanates.

For the formulation of high-solids, two-component polyurethane topcoats and solvent-free coating materials.

**Form supplied**

Low-viscosity, solvent-free liquid

**Specification**

Property	Value	Unit of measurement	Method
Amine value	199 - 203	mg KOH/g	M129-AFAM 2011-06054
Viscosity (25 °C)	900 - 2,000	mPa·s	M068-DIN 53019
Color (Hazen)	≤ 250		M017-EN 1557

**Other data\***

Property	Value	Unit of measurement	Method
Equivalent weight	approx. 276		
Density at 20 °C	approx. 1.076	g/ml	DIN 51 757
Flash point	approx. 145	°C	DIN EN ISO 2719
Water content	≤ 0.15	%	DIN 51 777-1

\*These values provide general information and are not part of the product specification.



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## Compatibility

Generally speaking, Desmophen<sup>®</sup> NH 1420 is compatible with many polyisocyanates and prepolymers. However, compatibility testing is always advisable.

## Properties / Applications

Desmophen<sup>®</sup> NH 1420 can be used as co-reactant for Desmodur N<sup>®</sup> products.

## Storage

- Storage in original sealed Bayer MaterialScience container.
- Recommended storage temperature: 0 - 30 °C.
- Protect from moisture, heat and foreign material.

## Storage time

Bayer MaterialScience represents that, for a period of six months following the day of shipment as stated in the respective transport documents, the product will meet the specifications or values set forth in section "specifications or characteristic data" above, what ever is applicable, provided that the product is stored in full compliance with the storage conditions set forth in and referenced under section "storage" above and is otherwise handled appropriately.

The lapse of the six months period does not necessarily mean that the product no longer meets specifications or the set values. However, prior to using said product, Bayer MaterialScience recommends to test such a product if it still meets the specifications or the set values. Bayer MaterialScience does not make any representation regarding the product after the lapse of the six months period and Bayer MaterialScience shall not be responsible or liable in any way for the product failing to meet specifications or the set values after the lapse of the six months period.

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## Labeling and REACH applications

This product data sheet is only valid in conjunction with the latest edition of the corresponding Safety Data Sheet. Any updating of safety-relevant information – in accordance with statutory requirements – will only be reflected in the Safety Data Sheet, copies of which will be revised and distributed. Information relating to the current classification and labeling, applications and processing methods and further data relevant to safety can be found in the currently **valid Safety Data Sheet**.

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance and information to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by us. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

This product is not designated as „Medical Grade”<sup>1</sup> and therefore shall not be considered a candidate for the manufacture of a medical device or of intermediate products for medical devices, which are intended under normal use to be brought into direct contact with the patient's body (e.g., skin, body fluids or tissues, including indirect contact to blood)\*. This product is also not designated for Food Contact<sup>2</sup>, including drinking water, or cosmetic applications. If the intended use of the product is for the manufacture of a medical device or of intermediate products for medical devices, for Food Contact products or cosmetic applications Bayer MaterialScience must be contacted in advance to provide its agreement to sell such product for such purpose. Nonetheless, any determination as to whether a product is appropriate for use in a medical device or intermediate products for medical devices, for Food Contact products or cosmetic applications must be made solely by the purchaser of the product without relying upon any representations by Bayer MaterialScience. 1) Please see the "Guidance on Use of Bayer MaterialScience Products in a Medical Application" document. 2) As defined in Commission Regulation (EU) 1935/2004.

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