



We create chemistry

BASF SE, 67056 Ludwigshafen, Deutschland

Product Specification

## UREA TECH.

October 16, 2017  
Dr. Tilman REINER  
E-CMP/Q - T 410  
Tel.: +49 621 60 97724  
E-Mail: tilman.reiner@basf.com

PSE20171016\_HATECH  
supersedes:  
PSE20140807\_HATECH, dated 07.08.2014

### 1. General

Appearance: White prills, slightly hygroscopic  
Chemical Name: Urea, H<sub>2</sub>N-CO-NH<sub>2</sub>  
CAS No.: 57-13-6  
EINECS No.: 200-315-5  
Minimum shelf life: At storage temperatures ≤ 25 ° C 6 months after manufacture. Depending on the actual conditions of storage and the mechanical stress during transport and storage both flowability and particle size distribution may deviate from the delivery specification before the end of the minimum shelf life.

### 2. Delivery specification

Property	Specification	Typical Value	Unit	Test Method
Urea	min. 99,15	99,3	g/100g	Calculation, CAL/LQ_066.10.00
Water	max. 0,35	0,2	g/100g	ISO 760
Biuret	max. 0,5	0,4	g/100g	Photometry, CAL/LQ_057.06.00
Granules 1,0 - 3,15 mm	min. 90	94	g/100g	ISO 3310

### 3. Other properties

Property	Specification	Typical Value	Unit	Test Method
Free ammonia, NH <sub>3</sub>	max. 0,01	0,0085	g/100g	Volumetry, CAL/LQ_026.27.00
Iron	max. 3	0,2	mg/kg	Photometry, CAL/LQ_057.10.00
Water insoluble fraction	max. 0,005	0,0015	g/100g	Gravimetry, CAL/LQ_067.08.03
Nitrogen N	min. 46,0	46,3	g/100g	Kjeldahl, CAL/LQ_066.09.00

BASF SE

RBU Polyamides & Precursors / QM / Product Stewardship / Reach

Reiner

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our 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 a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.

**BASF SE**  
67056 Ludwigshafen, Germany

Phone: +49 621 60-0  
Fax: +49 621 60-42525  
E-mail: global.info@basf.com  
Internet: www.basf.com

**Registered Office:**  
67056 Ludwigshafen

**Registration Court:**  
Amtsgericht Ludwigshafen  
Registration No.: HRB 6000

**Chairman of the Supervisory Board:**  
Juergen Hambrecht

**Board of Executive Directors:**  
Kurt Bock, Chairman;  
Martin Brudermueller, Vice Chairman;  
Saori Dubourg, Hans-Ulrich Engel, Sanjeev Gandhi,  
Michael Heinz, Markus Kamieth, Wayne T. Smith