



Doc Name:

Product Data sheet – Urea Granule – Technical grade, Lordegan  
Petrochemical Co.

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## Product Description

This product is manufactured using STAMICARBON licensed technology.

## Technical Data

Property	Unit	Value	Test method
Nitrogen content	% wt.	46 Min.	ISO -5315
Free Ammonia	ppm	100 Max.	Internal factory test method (Chemlab 1605-OV-E)
Water content	% wt.	0.5 Max.	ISO -2753
Biuret	% wt.	1.0 Max.	ISO -2754
Formaldehyde	% wt.	0.5 Max.	ISO 14184
Particle size (2.0 – 4.0 mm)	% wt.	90 Min.	ISO -8397
Nickel content (as Ni)	ppm	0.6 Max.	ASTM 4691-92

## Packaging

The product is supplied in bulk loading, 1000 Kg Jumbo bags and 50 kg Bags.

## Typical applications

The product is used in manufacture of melamine and urea-formaldehyde resins with various applications such as adhesives, moldings, laminates, plywood, and coatings and also pollution control solutions for selective catalytic reduction (SCR) system.

## Handling and storage

Store in a dry, cool, and well-ventilated place. Protect from moisture. When heated, urea releases ammonia and when heated to decomposition it emits toxic fumes of nitrogen oxides (NO<sub>x</sub>), ammonia. Incompatible with strong acids, strong bases, strong oxidizers, hypochlorites, nitric acid, halogens, sodium nitrite, phosphorus pentachloride and nitrosyl or gallium perchlorate. **For more information, see the product MSDS**

**Note:** This information is based on our current knowledge and experience .In view of many factors that may affect processing and application, this data does not relieve processors from the responsibility of carrying out their own tests and experiments, neither does it imply any legally binding assurance of certain properties or of suitability for a specific purpose. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed.

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