

**PRODUCT SPECIFICATION**  
**PIARUMIN (Urea, feed)**

SKW STICKSTOFFWERKE PIESTERITZ GMBH



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**Product characteristics**

**Chemical nature**

Identification: Urea  
CAS-No.: 57-13-6  
EINECS-No.: 200-315-5  
Chemical Formula:  $(\text{NH}_2)_2\text{CO}$   
Molecular weight: 60,06 g/mol

**Characteristic properties**

Appearance: white, spherical form (prilled)  
Bulk density: ca. 740 kg/m<sup>3</sup>

**Quality criteria**

Test criteria	Units	Values	Testing according to SKWP
Urea content	%	min. 99	P-03-03/001
Total nitrogen	%	min. 46,5	P-03-03/001
Biuret	%	max. 1,0	P-03-03/002
Moisture	%	max. 0,2	P-03-03/003
Arsenic	mg/kg	max. 0,1	P-03-03/009
Lead	mg/kg	max. 1	P-03-03/008
Mercury	mg/kg	max. 0,1	P-03-03/010
Cadmium	mg/kg	max. 0,1	P-03-03/008
Particle size > 3,55 mm	%	max. 1	P-03-03/004
Particle size 0,5 to 2,5 mm	%	min. 90	P-03-03/004
Particle size < 1,0 mm	%	max. 5	P-03-03/004

**Application**

As NPN (non-protein nitrogen) feedstuff component for animal feeds, only for ruminants with multi-chamber stomachs.

Urea shall only be fed to animals with a functional rumen. Feeding urea to the maximum level dose should be done gradually. The maximum content of urea should be only fed as part of diets rich in easily digestible carbohydrates and low in soluble nitrogen. A maximum 30 % of total nitrogen in the daily ration should come from urea-N.

**Technical Data**

**Packaging and container**

- In silo-type road vehicles
- PE bags, palletized, secured, filling quantity: 25 kg
- big bags, filling quantity: 500 kg and 1000 kg

Other packaging materials and/or amounts can be agreed.

**Transport, transshipment and storage**

- Avoid exposure to moisture during transport, handling and storage.
- During external storage it is recommended to cover the bags with plastic foil.

The safety data sheet describes other product characteristics, contains information about its hazard classification and applicable regulations and describes measures to be taken to protect humans and the environment when handling the product.