

# PRILLED UREA

## DESCRIPTION

P. Urea is white, solid, odorless or slightly ammoniacal, water soluble, produced in both granular, prills, or pastilles with nitrogen content of 46%.

Urea is the most popular and economical of all nitrogenous fertilizers being used worldwide, the highest nitrogen concentration in the available solid conditions.

## TYPICAL APPLICATIONS

Broadcasting or in irrigation water (fertigation); suitable for a wide variety of crops across a wide range of environmental conditions.

## TYPICAL PROPERTY VALUES

Revision 20170913

| PROPERTIES          | TYPICAL VALUES | UNITS | TEST METHODS |
|---------------------|----------------|-------|--------------|
| <b>PROPERTIES</b>   |                |       |              |
| Total Nitrogen      | 46             | % min |              |
| Biuret              | 1              | %     |              |
| Moisture            | 0.5            | %     |              |
| Formaldehyde (HCHO) | 0.45           | %     |              |
| Crushing strength   | 2              | kg    |              |
| Friability          | 100            | %     |              |
| Drying              | N.A            | -     |              |
| Free Ammonia        | 60 – 100       | ppm   |              |

## HAZARDS AND SAFETY

Urea is non-combustible; but Urea dust can be ignited at temperature above 900oC. : Decomposes at melting point.

Use extinguishing media needed to control surrounding area.

Primary Routes of Exposure : Eye contact,skin,inhalation & ingestion

Acute Effects : Irritation at contact area

Chronic Signs & Symptoms : Prolong exposure to dust could irritate the lungs Exposure Limits : 10 mg/m3 (fine dust)



## STORAGE AND HANDLING

Store in a dry, cool and well-ventilated area.

Protect the product from the weather effects, especially direct sunlight and rain.

Store in clean environment, free of dust/dirt.

Protect the fertilizer from moisture, which can cause lumps and dust, influencing spreading capabilities.

Equipped with pallet racking to avoid the need for double stacking.

Do not blend or store in contact with ammonium nitrate.

## PACKAGING

Exported in bulk, 1000 kg and 50 kg bags.

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