



**PRODUCT INFO  
& DATASHEET**

# CALCIUM CYANAMIDE

*Granulated Nitrogen Calcium fertiliser with fungicidal and herbicidal properties  
Made in E.U.*

*Revised 10/2019*

## **1/ Product description**

Calcium cyanamide, one of the EU-authorized fertilisers, is an environmentally friendly, multi-purpose fertiliser. Owing to its special composition calcium cyanamide provides plants with nitrogen in an ideal way, as well as supplying the soil with valuable lime. It also reduces weeds and debilitating diseases simultaneously, because it has the additional effect not only of preventing weed germination but also of combating soil-borne diseases, pests and parasites.

## **2/ Product specifications**

Calcium cyanamide is an approved EC-fertiliser and is used in all countries of the EU. The fertiliser is available in two types, as powder and as granulate. Due to the modern spreader technology today nearly all calcium cyanamide is used in the granular form.

### **Chemical Properties**

Total Nitrogen (N):	19.8%
Nitrate Nitrogen (NO <sub>3</sub> -N):	> 1.5%
Cyanamide Nitrogen (Cy-N):	> 14.0%
Dicyandiamide Nitrogen (DCD-N):	approx.. 0.5%
Lime Content (CaO):	> 50.0%
Graphite:	approx. 12.0%

### **Physical Properties**

Appearance:	grey-black granules
Density:	2.3 g/cm <sup>3</sup>
Bulk weight:	1.000 kg/m <sup>3</sup>

### **Toxicity**

Ld <sub>50</sub> /oral/rat:	594 mg/kg body weight
Ld <sub>50</sub> /dermal/rabbit:	> 2.000 mg/kg body weight

Use of alcoholic beverages may enhance toxic effects. Do not consume alcoholic beverages prior to and 24 hours after handling the products.

For further information see material safety data sheet.

## **3/ Packings**

- in 600 kg big bags
- in 25 pe bags on pallets, 20 MT/20' fcl
- in 50 kg bags on pallets, 21 MT/20' fcl
- bulk material, 25 MT/20' fcl

**4/ For more info** regarding miscibility, storage, safety recommendations, general recommendations, application advise for specific crops, please send us an email indicating the targeted crop.

### **Example calcium cyanamide increases the yield and quality of rice:**

- Even and long-lasting nitrogen effect
- Less N-loss even with early application
- Plants emerge safely owing to reduction of fungal pathogens
- The rice plants are healthier and more robust
- the natural soil fertility is improved

#### Time of application

1-2 weeks  
before seeding

#### Application rate

250-450  
kg/ha

#### Application

spreading on dry soil  
or onto the flooded  
field, observe  
the waiting period.

