

# DICYANDIAMIDE



Cas Number: 461-58-5

Other Names: Dicyanodiamide; 1-Cyanoguanidine; N-Cyanoguanidine;  
2-Cyanoguanidine; dicyandiamin; Didin; DCD.

Formula:  $C_2H_4N_4$

## PRODUCT INTRODUCTION

Dicyandiamde (DICY) is a strongly alkaline and water-soluble white crystalline compound with the scientific name of cyanoguanidine. The chemical is the dimer of cyanamide or cyanoguanidine, which is mainly used in the production of melamine. It is readily soluble in water, alcohol and diethyl ether.

## PHYSICAL AND CHEMICAL PROPERTIES

Purity	99.50%
Moisture	0.22 %
Ash Content	0.04 %
Melting Point	209 °C
Calcium Content	163 ppm
Melamine Content	438 ppm
Transparency	100 %
Appearance	White crystal, Free flowing, no black particle.

## APPLICATIONS

- Dicyandiamide (DICY) is an intermediate for melamine production and is the basic ingredient of amino plastics and resins.
- It is used in the production of a wide range of organic chemicals including slow and continuous nitrogen release fertilizers, fireproofing agents, epoxy laminates for circuit boards, powder coatings and adhesives, water treatment chemicals, dye fixing, leather and rubber chemicals, explosives and pharmaceuticals.
- Cyanoguanidine is also used as a slow fertilizer.
- Formerly, it was used as a fuel in some explosives

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## PACKAGING OPTIONS

Drums

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