



浙江泰达作物科技有限公司

地址: 绍兴袍江工业区临海路11号  
邮编: 312071  
TEL: +86-0575-89117123  
E-mail: info@tide-china.com

ZHEJIANG TIDE CROPSCIENCE CO., LTD.

ADD: No. 11 Linhai Road, Paojiang Industrial  
Zone, Shaoxing (312071), China  
FAX: +86-0575-88979010  
Website: www.tide-china.com

# TECHNICAL DATA SHEET

of Cyanamide hydrogen 50% SL

## IDENTITY OF ACTIVE INGREDIENT:

**Common name:** Cyanamide

**Synonyms:** carbamic acid nitrile; amidocyanogen; hydrogen cyanamide; cyanoamine; cyanogenamide

**CAS No.:** 420-04-2

**Molecular Weight:** 42.0

**Molecular Formula:** CH<sub>2</sub>N<sub>2</sub>

**Melting Point:** 45-46°C

**Use Type:** Plant growth regulator

**Vapor Pressure:** 500 mPa (20°C)

**Solubility In water:** 4.59 kg/l (20 °C).

**Stability:** Stable to light. On heating to 180 °C, dicyandiamide is formed, and polymerisation commences. Decomposed by alkalis (with the formation of dicyandiamide and polymerisation) and acids (with the formation of urea).

## PHYSICAL AND CHEMICAL PROPERTIES OF FORMULATION

**Appearance:** Blue Liquid

**Relative Density:** 1.07±0.05

**pH Value:** 4.0~6.0