

TECHNICAL DATA SHEET

CYANAMIDE L500

regular grade; 50 % Aqueous Cyanamide Solution

Description:	Formula: CH ₂ N ₂	$\text{H}_2\text{N}-\text{C}\equiv\text{N}$
	CAS No.: 420-04-2	
	REACH: not registered	
	Appearance: clear, colourless, aqueous solution	
	- after storage time or transport time of 3 – 4 weeks:	yellowish colour
	- freshly produced Cyanamide L500:	blue or greenish-blue
	- in the dark:	yellowish colour
	- after 15 minutes of sunlight:	purple
	- after further 15 minutes of sunlight:	blue
	- in the dark:	the purple or blue colour gradually disappears

Specification:	Assay	50 + / -1 %
	Dicyandiamide	max. 1,5 %
	Iron (Fe)	max. 300 mg/l
	Calcium (Ca)	max. 500 mg/l
	Stabilizer on phosphate basis	max. 2,0 %
	pH-value	not specified (typ. 4,0 – 4,3)

Characteristics: all values at shipment ex 83308 Trostberg / Germany

Storage Conditions: in original drums, max. 3 months;
recommended temperature – 5 °C up to + 10 °C;
for short period up to 30 °C;
important: avoid any temperature below – 8 °C

Health and Safety

Precautions: see Material Safety Data Sheet

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Specialities: samples exposed to daylight show a purple or blue colour. The different colours of Cyanamid L500 do not have any influence on the assay, the stability and the reactivity of the cyanamide solution.

Cyanamid L500 leaves the plant as filtered clear solution. However during transport or storage of Cyanamid L500 small quantities of an inorganic precipitate can form.

Occasionally the inorganic precipitates show a flocculated and bulky appearance. These inorganic precipitates do not affect the assay, the stability and reactivity of the cyanamide solution. In the reactions on a technical scale which are known to us, these precipitates have no adverse affect. However we recommend that the cyanamide solution is filtered as a precaution before processing.