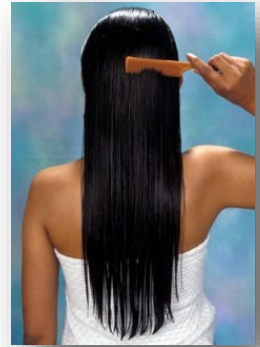


Urea

INCI Name: Urea

CAS Numbers: 57-13-6



Description:

Urea or carbamide is an organic compound with the chemical formula CO_2 . The molecule has two —NH_2 groups joined by a carbonyl functional group. Urea is a colorless, odorless solid, highly soluble in water, and practically non-toxic.

Technical Data:

TESTS	SPECIFICATIONS
Assay (NH_2CONH_2)	99.0 – 100.5 %
Identification	Passes test
Melting range	132 – 135 °C
Residue on ignition	Max 0.1 %
Alcohol-insoluble matter	Max 0.04 %
Chloride	Max 0.007 %
Sulfate (SO_4)	Max 0.01 %
Heavy metals	Max 0.002 %
Appearance	Crystals
Water solubility (22.52 g en 50 ml. of water)	Clear solution particles free.

Applications:

Urea is widely used for industrial and commercial purposes. Urea is used to produce plastics, glues, animal feed, toilet bowl cleaners, hair coloring products, dish washing machine detergents, pesticides, and fungicides.



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