



Product Specification

Product Name: UREA AR

Alternate Name(s) Isourea; carbamide; carbamimidic acid; carbonyl diamide; carbonyl diamine.

Description

White crystals or powder; almost odourless; saline taste. Hygroscopic.

Properties

Chemical Formula: NH_2CONH_2

Molecular Weight: 60.06

Product Code: UA001

CAS No. 57-13-6

General Information:

Very soluble in methanol and ethanol. Insoluble in benzene. Decomposes to ammonia and carbon dioxide in water. Incompatible with strong oxidising agents, ABS, PVC and polyethylene. Non combustible material.

Hazard and Safety Data

UN Group: None Allocated

Class: None Allocated

UN Number: None Allocated

Hazchem code: None Allocated

CS MSDS Code: 1CH7B

Poison schedule: Not Scheduled

Emergency

Procedure Guide No.: N/A

Not classified as hazardous according to the criteria of ASCC.

Quality Specification

Assay: 99.0-100.5%.

Specific Properties and Impurities [Typical levels]:

pH Value (100 g/L, H ₂ O, 20 °C)	~9.2 - 9.5
Decomposition Temp.	135 °C
Specific Gravity	1.33
Vapour Pressure	0
Melting Point	132-135 °C
Insoluble matter	≤ 0.01%
R.A.I.	≤ 0.01%
Chloride (Cl)	≤ 0.0005%
Sulfate (SO ₄)	≤ 0.001%
Heavy metals (as Pb)	≤ 0.001%
Iron (Fe)	≤ 0.001%

CONFORMS TO ACS

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