

Di-Methyl Urea (DMU)

Specifications

CAS NO.

CAS NO.	96-31-1
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COMPOSITION

Composition	It is a white to off-white crystalline powder free from visible extraneous matter.
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PHYSICAL PROPERTIES

Empirical Formula	CH ₃ NHCO-NHCH ₃
Colour(1:1 Aqueous solutio)	Max. N/60000 12
Colour of Melt	Max. N/10000 1 ₂
Solubility	Soluble in water, acids, any Organic Solvents. Highly hygroscopic.
Residue on Ignition:	Max. 0.025 %
Reaction to Bromothymol Blue	Neutral
Loss at 60 °C	Max. 0.2%

SPECIFICATIONS

Purity	
Purity (min)	97 % by HPLC
Other Impurities(Max)	3.0 %
Melting Range	102 °C - 104 °C
M.C. (Max)	1.0 %

Applications

PHARMACEUTICALS: In a wide variety of synthetic medicinals like Theophylline, Aminophylline, Etophylline and Caffeine also used as Herbicide.

STORAGE & HANDLING: Keep container tightly closed suitable for any general chemical storage area. Storage & handling area should be well ventilated.

Material can be stored in drums & bags.

PACKAGING: Offered in HDPE bags / can also be offered in 25 kgs/50 kgs Fibre/ HDPE Drums with double polyliners inside containing 25 kgs. net of DMU.

FIRST AID INGESTION: Call a Physician.

INHALATION: If inhaled remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

SKIN CONTACT: In case of contact, flush skin with water.

EYE CONTACT: Immediately flush with water for 15 minutes.

FIRE RISK: Flash point N.A.

Autoignition N.A.

Flammable Limits N.A.

Fire Extinguisher Media - Use extinguisher media appropriate for surrounding fire.