

TECHNICAL GRADE UREA

DESCRIPTION

Technical Grade Urea is a solid, hemi-spherical pastille, white in color and odorless. It is a high purity source of nitrogen , formaldehyde free and commonly used in the industrial sector.

TYPICAL APPLICATIONS

Technical Grade Urea is mainly used in the production of AUS-32/40 (Aqueous urea solution) / Diesel Exhaust Fluid(DEF) that are compliant with ISO 22241 standard.

DEF/AUS32/40 are used in Selective Catalytic Reduction systems to control noxious emissions from diesel engines.

Technical Grade Urea can be also used in resins, adhesives and animal feed.

TYPICAL PROPERTY VALUES

Revision 20250617

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
PROPERTIES			
Nitrogen			
Total	46.0 Min	Wt. %	AOAC-978-02-18TH
Biuret			
Total	0.90 Max	Wt. %	ISO 22241-2:2006(E) Annex-E
Moisture			
Total	1.0 Max	Wt. %	ASTM E203-16
Formaldehyde			
Total	15 Max	mg/kg	SM-Kellogg
Shape			
Diameter			
2.0 ~ 4.0 mm	90 Min	Wt. %	IVA- TFI 1982

HAZARDS AND SAFETY

Technical Grade Urea is non-combustible, but urea dust can be ignited. Avoid dust formation. Avoid ingestion and inhalation. Consult a doctor in case of unexpected exposure.

Please refer to Safety Data Sheet(SDS) for details.

STORAGE AND HANDLING

Store in original container protected from direct sunlight. Store in a dry, cool and well-ventilated area, protect from moisture. Store in accordance with local regulations. Use appropriate containment to avoid environmental contamination. Put on appropriate personal protective equipment while handling. Wash hands thoroughly after handling. Do not blend or store in contact with ammonium nitrate.

Please refer to Safety Data Sheet(SDS) for details.

PACKAGING

Exported in 900kg bags with pallets.



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