

DEF AUS 32

(Diesel Exhaust Fluid / AdBlue)



DESCRIPTION

Patrol Oil DEF AUS (Diesel Exhaust Fluid), also known as AdBlue, is a high-purity 32.5% urea solution used in Selective Catalytic Reduction (SCR) systems to reduce nitrogen oxide (NOx) emissions in diesel engines. It is manufactured in accordance with ISO 22241 standards and ensures optimal SCR system performance.

APPLICATIONS

DEF is used in diesel-powered vehicles equipped with SCR systems, such as heavy-duty trucks, buses, and off-road equipment. It is injected into the exhaust stream to convert harmful NOx emissions into harmless nitrogen and water vapor.

RECOMMENDATIONS / SPECIFICATIONS

Manufactured in compliance with ISO 22241-1, ISO 22241-2, and ISO 22241-3 standards for quality, handling, and storage of Diesel Exhaust Fluid.

TYPICAL TECHNICAL PROPERTIES

Property	Value (Typical)
Urea Content	32.5% ± 0.7%
Density @ 20°C	1.087 - 1.093 g/cm ³
Refractive Index @ 20°C	1.3814 - 1.3843
Alkalinity as NH ₃	≤ 0.2%
Biuret	≤ 0.3%
Insoluble Matter	≤ 20 mg/kg
Phosphate (PO ₄)	≤ 0.5 mg/kg
Aldehyde	≤ 5 mg/kg
Appearance	Clear, colorless fluid

Handling and Storage

Store in a cool, dry, and well-ventilated area away from direct sunlight. Recommended storage temperature is between -11°C and 30°C. Do not store in galvanized containers or mix with other fluids. DEF freezes below -11°C and should be protected from freezing. Thawing does not affect its quality.

Note: These characteristics are typical of current production. While future production will conform to PATROL's specification, variations in these characteristics may occur.

Health and Safety:

DEF is non-toxic, non-hazardous, and safe to handle with proper hygiene. Avoid contact with eyes or skin. In case of contact, rinse with plenty of water. Refer to the Safety Data Sheet (SDS) for further information.

