

MANUTEC ELECTRATE ECO-U

Product Code: SPE012 | **Revision:** 20250707



Premium reclaimed uninhibited mineral insulating oil.

Available Pack Sizes



Applications

A premium insulating/transformer oil made from the highest purity reclaimed uninhibited mineral oils, offering a sustainable alternative to combat against resource depletion. Provides a high dielectric strength and reliable low temperature performance along with superb stability and oxidation resistance. For use as a transformer, switchgear and circuit breaker oil where a highly refined mineral insulating oil is required.

Recommended by Aztec Oils as suitable for the following applications

ASTM D3487-2016
BS148:2020
IEC 60296:2012

Benefits

- Eco-friendly - made from high purity reclaimed oils.
- Low sulphur levels eliminate related copper corrosion issues.
- Low viscosity oils offering excellent and fast heat transfer.
- Oxidation stability promotes a long service life.
- No DBDS.
- Non-corrosive as tested by all present methods, DIN & ASTM tests & IEC 62535 method.
- Very low pour point.

Typical Test Data

Appearance		Clear & bright, straw
Density @ 15°C (kg/m ³)	ASTM D4052	0.898
Flash Point (°C)	ASTM D92	>135
Kinematic Viscosity @ 40°C (mm ² /s)	ASTM D445	12
Kinematic Viscosity @ -30°C (mm ² /s)	ASTM D445	1800
Pour Point (°C)	ASTM D97	<-40
Acidity (mgKOH/g)		<0.01
Breakdown Voltage (kV)		>30 (typically >60)
Oxidation Stability (mgKOH/g)		<1.2
PCB Content (ppm)		Non detectable (< 2mg/kg)
Sludge (%)		<0.8
Water Content (mg/kg)		<30 (typically <10)

The typical test data provided is taken from average values, there will be some variability in production and therefore do not constitute a specification.

Health, Safety & Recommendations

In line with our policy of continued improvement, Aztec Oils reserve the right to change specifications and availability without prior notice. This product, used according to our recommendations and for its designed application, does not represent any particular risk. The information present in this technical data sheet is indicative of the product and is given in good faith, but should not form part of any specification.

Health, Safety & Recommendations

- A Safety Data Sheet is available for consultation at www.aztecoils.co.uk.
- Packaging should not be left exposed to elements and drums should be laid horizontally to prevent contamination.
- This product should not be stored at temperatures over 60°C, kept out of direct sunlight, protected from frost and fluctuations in temperature.
- When disposing of the product after use, please protect the environment and comply with local regulations.

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