

BIO ELETUS

Biodegradable Electrical Insulating Oil

BIO ELETUS based on polyol ester is the biodegradable insulating oil which has low flammability and anti-oxidation property. **BIO ELETUS** is one of Eco-Mark products which are certified by the Japan Environment Association.

● Special Features

1. Readily biodegradable
2. Outstanding oxidation and thermal stability
3. Low flammability

● Applications

For high pressure large-capacity transformers, pole transformer and oil-breakers

● Containers

200-liter drums

● Typical properties of BIO ELETUS

Density (15°C)	g/cm ³	0.974
Kinematic viscosity (40°C)	mm ² /s	30.6
	(100°C)	mm ² /s
Flash point (COC)	°C	274
Combustion point	°C	318
Pour point	°C	< -50
Acid number	mgKOH/g	0.01
Corrosive sulfur (140°C ,19h)		Non corrosive
Oxidation stability (120°C,75h)	Sludge mass%	0.01
	Acid number mgKOH/g	0.03
Dielectric breakdown voltage (2.5 mm)	kV	81
Power factor (80°C)	%	< 0.01
Specific resistivity (80°C)	T Ω ·m	2.30
Biodegradability(OECD 301B, 28days)	%	> 60
96-hour LC50 value(JIS)	mg/L	> 100
Eco mark No.		No.04110027

Note: The typical properties may be changed without a notice (Nov. 2011)



Handling Precautions

▼ Follow these precautions when handling petroleum products.

Composition :	Base Oil, Additives
Precautionary pictograms:	Not applicable
Signal word:	Not applicable
Hazard Statement:	Not applicable
Precautionary Statements:	<ul style="list-style-type: none">• Do not handle until all safety precautions have been read and understood.• Wear protective gloves/protective clothing/eye protection/face protection.• Do not allow the eyes to become exposed to the product. Do not swallow the product.• Wash hands thoroughly after handling.• Do not eat, drink or smoke when using this product.
Prevention	
Response	<ul style="list-style-type: none">• IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.• IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.• If the eyes are exposed to the product: Rinse the eyes with plenty of running water and immediately contact a physician.• IF ON SKIN: Wash with plenty of soap and water.
Storage	<ul style="list-style-type: none">• The product must be stored in a cool, well-ventilated location where it will not be exposed to direct sunlight.• Containers that have been opened must be tightly sealed.
Disposal	<ul style="list-style-type: none">• Dispose of contents/container in accordance with local/regional/national/international regulations.• If there are any doubts about proper methods of handling the product, contact the point of purchase before proceeding with usage.