

PRODUCT INFORMATION

A PRODUCT OF AMERICAN CHEMICAL TECHNOLOGIES, INC.



EcoSafe[®] V-200

Bio-Based, Fire-Resistant Hydraulic Fluid

DESCRIPTION:

EcoSafe[®] V-200 is the latest addition to ACT's line of hydraulic fluids designed for systems requiring readily biodegradable, nontoxic fluids. It can be used in industrial, marine, and mobile service, including high-pressure systems, systems with servo valves, and all robotics. It is formulated from select, high-quality, high-VI vegetable oils and additives, which provide the properties required in hydraulic fluids while satisfying the stringent criteria for biodegradability and toxicity. EcoSafe[®] V-200 provides the excellent anti-wear and film-strength characteristics necessary for hydraulic systems operating under moderate to severe conditions. EcoSafe[®] V-200 is Factory Mutual approved as a fire resistant hydraulic fluid.

LABORATORY DATA:

	Test Method	ESV200
Appearance		Clear, Green
Viscosity @ 100°F	ASTM D445	190 – 215 SUS
Viscosity Index	ASTM D2270	198
Specific Gravity	ASTM D1475	0.94
Flash Point	ASTM D92	291 °C (555 °F)
Fire Point	ASTM D92	318 °C (605 °F)
Autoignition Temp	ASTM E659	416 °C (781 °F)
Pour Point	ASTM D97	-29 °C (-20 °F)
Corrosion Test	ASTM D665A	Pass
Total Acid Number	ASTM D664	0.25
Resistivity @ 25 C	ASTM D1169	43.6 giga ohm-cm
Foam Test	ASTM D892	Sequence I 450/0 Sequence II 40/0 Sequence III 370/0
RBOT	ASTM D2272	50.0 min
4-Ball wear	ASTM D4172	0.38 mm
Hydraulic Pump Wear Test	ASTM D7043	<5mg

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