



California Environmental Technology Certification



Pursuant to the provisions of Section 25200.1.5 of the California Health and Safety Code

Cooper Power Systems Envirotemp[®]FR3[™] Vegetable Oil-Based Dielectric Fluid

is hereby recognized as a

CERTIFIED TECHNOLOGY

The Envirotemp[®]FR3[™] Vegetable Oil-Based Insulating Dielectric Fluid (Envirotemp[®]FR3[™]) is hereby certified as a pollution prevention technology. The technology is certified for use as an insulating dielectric fluid in transformers. Field test results show that the Envirotemp[®]FR3[™] Vegetable Oil-Based Insulating Dielectric Fluid is a readily biodegradable, vegetable oil-based dielectric fluid with a flash and fire point above 300°C. The product has dielectric breakdown voltages comparable to mineral oils, silicone oils, synthetic esters, and high molecular weight hydrocarbons. Envirotemp[®]FR3[™] samples from in-service transformers had flash and fire points above 300°C. Based on limited results performed on virgin product, the spent Envirotemp[®]FR3[™] fluid may exhibit a hazardous characteristic per California's hazardous waste regulations. The end-user must characterize the spent Envirotemp[®]FR3[™] fluid at the time of disposal since changes may occur to the oil due to use, storage, or age. This certification is subject to the specific conditions, limitations, and disclaimer set forth in the Certification Notice as published in the California Regulatory Notice register on January 10, 2003, Register No. 2003, Volume No. 2-Z, pages 43-55.

Certificate Number 03-01-040 became effective on February 8, 2003, for a period of three (3) years unless revoked in accordance with Section 68070 of Title 22 of the California Code of Regulations.



Winston H. Hickox

Winston H. Hickox
Agency Secretary
California Environmental Protection Agency