



Evaluation of Wildland Fire Chemicals

Standard Test Procedures

1.3 Mammalian Toxicity

Summary: Acute toxicity and irritation tests are performed on all product formulations prior to qualification and use. These tests are intended to protect firefighters and others who mix or handle fire management chemicals as well as the public who may be exposed during fire management operations or clean up after a fire.

The Forest Service sends a concentrated and mixed sample of the formulation to an approved testing lab for qualification testing. The Forest Service receives the lab reports and results.

The WFCS Project Manager compiles the results and prepares a letter to the submitter showing the performance of the formulation. Copies of the lab reports are provided to the submitter and used in the risk assessment process (STP-1.2).

Method:

1. All testing is performed in accordance with protocols of the U.S. Environmental Protection Agency (EPA), Office of Prevention, Pesticides, and Toxic Substances (OPPTS).
2. Testing laboratories will comply with the EPA established Good Laboratory Practices.

References:

U.S. Environmental Protection Agency, Office of Chemical Safety and Pollution Prevention.

870.1100	Acute Oral Toxicity
870.1200	Acute Dermal Toxicity
870.2400	Primary Eye Irritation
870.2500	Primary Dermal Irritation

U.S. Environmental Protection Agency, Federal Insecticide, Fungicide, and Rodenticide Act. Good Laboratory Practices; 40 CFR 160

U.S. Environmental Protection Agency, Toxic Substances Control Act. Good Laboratory Practices, 40 CFR 792

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