Demonstration Of Biodegradable, Environmentally Safe, Non-Toxic Fire Suppression Liquids

Daniel Madrzykowski
David W. Stroup, Editors

July 1998

Prepared for:
Federal Emergency Management Agency
U.S. Fire Administration
Emmitsburg, MD 21727-8998
Demonstration Of Biodegradable, Environmentally Safe, Non-Toxic Fire Suppression Liquids

Daniel Madrzykowski
David W. Stroup, Editors

July 1998

U.S. Department of Commerce
William M. Daley, Secretary
Technology Administration
Gary R. Bachula, Under Secretary for Technology
National Institute of Standards and Technology
Raymond G. Kammer, Director

Prepared for:
Federal Emergency Management Agency
James Lee Witt, Director
U.S. Fire Administration
Carrye B. Brown, Administrator
APPENDIX B

ALTERNATIVE FIRE EXTINGUISHING AGENTS
Alternative Fire Extinguishing Agents Marketed in the United States as Being Suitable for Class A Fires, Class A and B Fires, and Class A, B, and D Fires

Report Prepared for the National Institute of Standards And Technology, Gaithersburg, Maryland, by the Alliance for Fire and Emergency Management, Ashland, Massachusetts, under Order Number 43NANB609885

Principal Investigator: John Liebson
Submitted: May 1996
Methodology

The Principal Investigator used the following methods of finding as much information as possible about the extinguishing agents listed in this report:

1. Review of articles and advertisements in the fire service press.
2. Contacts with known manufacturers of subject agents.
3. Contacts with manufacturers of foam proportioning devices.
4. Internet search for product information, including World Wide Web, Gopher, and WAIS.
5. Search of relevant databases such as those at BFRL, Intermountain Fire Sciences Laboratory, U.S. Fire Academy.
6. Telephone conversations with knowledgeable people in this area of fire protection such as Paul Schlobohm (BLM-NIFC), Chief David Abernathy (Texas State Forest Service), Chuck George and Ceci Johnson (Intermountain Fire Sciences Laboratory-USFS.)
7. On-line requests for input through such sources as Safetynet on CompuServe, misc.emerg-services and bit.listserv.fire-l on Usenet, electronic mailing list maintained by the National Association of Fire Equipment Dealers.
8. Thorough vetting of all exhibitors' booths at the 1996 Fire Department Instructors' Conference (FDIC).

The following list is of all identified “Alternative Fire Extinguishing Agents” that are marketed in the U.S. as being suitable for Class A Fires, Class A and B Fires, or Class A, B, and D Fires. Section I is alphabetical by manufacturer, giving name and address and name(s) of extinguishing agents; the number in square brackets [ ] after each agent name refers to the number of the tab (In the index which follows this text) under which the relevant literature is indexed. Section II of the list is of those extinguishing agents for which the Principal Investigator, having the name of an agent, was either unable to locate the relevant supplier or for which the supplier, having been contacted, failed to provide any information.

I. Known Manufacturers

1. Angus Fire, Angier-Kennebec Road & Broad Street, Angler, North Carolina 27501. Forexpan 'S'. [1]

2. Ansul Incorporated, 1 Stanton Street, Marinette, Wisconsin 54143-2542. Silv-Ex Foam Concentrate. [2]


22. Stevens Co., P.O. Box 23312, Toledo, Ohio 43623. Fire Quencher and Penetro Wet. [22]

23. Sunrise Environmental Scientific, P.O. Box 10207, Reno, Nevada 89510. Water Plus. [23]

24. The Westford Chemical Corporation, P.O. Box 798, Westford, Massachusetts 01886-0798. BloSolve PinkWater. [24]


II. Unidentifiable Products

26. Del Bueno Co., supposedly a California; could find no references to the company or to the product, Fire Foam.

27. Real Ideas, Inc., FireOut; this product has been marketed in the U.S., but no current references to either it or the company could be located.

28. BB. Schaeffer Manufacturing, 102 Barton, St. Louis, Missouri 63104. Fire Water 990; company was contacted, failed to provide any information.

29. Stockhouse Chemical, supposedly in North Carolina, Cease Fire: Unable to locate this company.