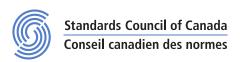
CAN/ULC-S560:2006-R2016 (Reaffirmed 2016)

STANDARD FOR CATEGORY 3 AQUEOUS FILM-FORMING FOAM (AFFF) LIQUID CONCENTRATES

Prepared and Published by:



Approved by:



This is a preview. Click here to purchase the full publication.

Underwriters Laboratories of Canada (ULC) was established in 1920 by letters patent issued by the Canadian Government. It maintains and operates laboratories and certification services for the examination, testing and certification of appliances, equipment, materials, constructions and systems to determine their relation to life, fire and property hazards as well providing inspection services.

Underwriters Laboratories of Canada is accredited by the Standards Council of Canada as a Certification Organization, a Testing Organization, and an Inspection Body under the National Standards System of Canada.

ULC Standards develops and publishes standards and other related publications for building construction, security and burglar protection, environmental safety, electrical equipment, fire protection equipment, gas and oil equipment, thermal insulation products, materials and systems, energy use in the built environment and electrical utility safety.

ULC Standards is a not-for-profit organization and is accredited by the Standards Council of Canada as a Standards Development Organization.

National Standards of Canada developed by ULC Standards conform to the criteria and procedures established by the Standards Council of Canada. Such standards are prepared using the consensus principle by individuals who provide a balanced representation of interests relevant to the subject area on a national basis.

ULC is represented across Canada as well as many countries worldwide. For further information on ULC services, please contact:

Customer Service: 1-866-937-3852

National Standard of Canada

A National Standard of Canada is a standard developed by an SCC-accredited Standards Development Organization (SDO), and approved by the Standards Council of Canada (SCC), in accordance with SCC's: Requirements and Guidance-Accreditation for Standards Development Organizations, and Requirements and Guidance-Approval of National Standards of Canada Designation. More information on National Standard requirements can be found at www.scc.ca.

An SCC-approved standard reflects the consensus of a number of experts whose collective interests provide, to the greatest practicable extent, a balance of representation of affected stakeholders. National Standards of Canada are intended to make a significant and timely contribution to the Canadian interest.

SCC is a Crown corporation within the portfolio of Industry Canada. With the goal of enhancing Canada's economic competitiveness and social well-being, SCC leads and facilitates the development and use of national and international standards. SCC also coordinates Canadian participation in standards development, and identifies strategies to advance Canadian standardization efforts. Accreditation services are provided by SCC to various customers, including product certifiers, testing laboratories, and standards development organizations. A list of SCC programs and accredited bodies is publicly available at www.scc.ca.

Users should always obtain the latest edition of a National Standard of Canada from the standards development organization responsible for its publication, as these documents are subject to periodic review.

CORPORATE HEADQUARTERS

Underwriters Laboratories of Canada 7 Underwriters Road Toronto, Ontario M1R 3A9 Telephone: (416) 757-3611 Fax: (416) 757-9540

REGIONAL OFFICES

PACIFIC OFFICE

13775 Commerce Parkway, Suite 130 Richmond, British Columbia V6V 2V4 Telephone: (604) 214-9555 Fax: (604) 214-9550 EASTERN OFFICE
6505, Rte Transcanadienne, Suite 330
St-Laurent, Québec H4T 1S3
Telephone: (514) 363-5941

Fax: (514) 363-7014

For further information on ULC standards, please contact:

ULC STANDARDS

171 Nepean Street, Suite 400 Ottawa, Ontario K2P 0B4 Telephone: (613) 755-2729 Fax: (613) 231-5977 E-mail: customerservice@ulc.ca

Web site: www.ulc.ca

The intended primary application of this standard is stated in its scope. It is important to note that it remains the responsibility of the user of the standard to judge its suitability for this particular application.

Copies of this National Standard of Canada may be ordered from ULC Standards.

CETTE NORME NATIONALE DU CANADA EST DISPONIBLE EN VERSIONS FRANÇAISE ET ANGLAISE

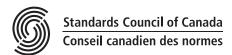
STANDARD FOR CATEGORY 3 AQUEOUS FILM-FORMING FOAM (AFF) LIQUID CONCENTRATES

ICS 13.220.10; 13.220.99

Prepared and Published by ULC STANDARDS



Approved by STANDARDS COUNCIL OF CANADA



Copyright © 2016

ULC Standards

All rights reserved. No part of this publication may be reproduced in any form, in an electronic retrieval system or otherwise, without prior permission.

This is a preview. Click here to purchase the full publication.



TABLE OF CONTENTS

UL	CCON	/IMITTEE ON FIRE FIGHTING FOAMS	I	
REFERENCE PUBLICATIONSii				
PR	PREFACE1			
1.	SCOP	PE	. 2	
2.	CLASSIFICATION		. 2	
3.	GENERAL REQUIREMENTS		. 3	
4.	DETAILED REQUIREMENTS			
		GENERAL		
		EXPANSION AND DRAINAGE		
		STABILITY AND STORAGE		
		4.3.1 General		
		4.3.2 High and Low Temperature Cycling (Concentrate)		
		4.3.3 High Temperature Stability (Solution)		
	4.4 F	FIRE PERFORMANCE	4. ار	
		4.4.2 4.6 m ² Fire Performance Test	4. 1	
		CORROSION		
		FILM FORMATION AND SEALABILITY		
		COMPATIBILITY		
		4.7.1 With Dry Chemical Agent		
		4.7.2 General Compatibility of AFFF Concentrates		
5	TEST	TEST METHODS5		
٥.		SEDIMENTATION		
		PRECIPITATION		
		SURFACE TENSION		
		NTERFACIAL PLUS SURFACE TENSION		
	5.5 E	ENVIRONMENTAL IMPACT	6	
		5.5.1 Toxicity		
		5.5.2 Chemical Oxygen Demand (COD)		
	5	5.5.3 Biodegradability	7	
		EXPANSION AND DRAINAGE		
		STABILITY		
	_	5.7.1 High and Low Temperature Cycling (Concentrate)		
		2.6 m ² FIRE PERFORMANCE TEST (HALF-STRENGTH)		
		4.6 m ² FIRE PERFORMANCE TEST (HALF-STRENGTH)		
		CORROSION		
		5.10.1 General Corrosion		
		5.10.2 Localized Corrosion		
		FILM FORMATION AND SEALABILITY		
	5.12 2	2.6 m ² FIRE PERFORMANCE FOR COMPATIBILITY WITH		
		DRY CHEMICAL AGENT	1	