



July 5, 2001

Fire Chemicals

(Qualified or Approved and commercially available)

Chemical	Mix Ratio (Pounds concentrate Per gallon water)	Qualified/Approved Applications ¹				
		Fixed-Wing Airtanker	SEATS	Fixed-Tank Helicopter	Helicopter Bucket	Ground Engine
LONG-TERM FIRE RETARDANTS (Qualified under Forest Service Specification 5100-304b)						
Dry Concentrate						
Gum-thickened; Permanent or Temporary Base						
Fire-Trol GTS-R	1.66 lb/gal	●	●		●	
Phos-Chek D75-R	1.20 lb/gal	●	●		●	
Phos-Chek D75-F	1.20 lb/gal	●	●		●	
Fire-Trol 300-F	1.77 lb/gal	●	●		●	
Gum-thickened; Temporary Base						
Phos-Chek 259-R	1.14 lb/gal	●	●	●	●	●
Phos-Chek 259-F	1.14 lb/gal	●	●	●	●	●
Phos-Chek G75-W	1.12 lb/gal				●	●
Phos-Chek G75-F	1.12 lb/gal	●	●		●	●
Unthickened - None available						
Wet Concentrate						
Gum-thickened; Permanent or Temporary Base						
Phos-Chek HV-F	3.6:1	●	●		●	
Phos-Chek HV-R ²	3.6:1	○			○	
Phos-Chek HV-R	3.1:1	●	●		●	
Phos-Chek MV-R ²	3.6:1	○			○	
Phos-Chek MV-F ²	3.7:1	○			○	
Phos-Chek LV-R ²	3.6:1	○			○	
Unthickened; Permanent or Temporary Base						
Fire-Trol LCA-R	5:1	●	●		●	
Fire-Trol LCG-R	4.75:1	●	●		●	
Fire-Trol FTR ²	4.75:1	○			○	
Fire-Trol LCA-F	5:1	●	●		●	
Fire-Trol LCG-F	4.75:1	●	●		●	
Fire-Trol 931-R ³	5.5:1	●				

¹ ● Fully Qualified ○ Conditional Approval

² A monitor level field evaluation must be completed to upgrade product status to qualified. The evaluation will be scheduled when a product is selected for use.

³ Fire-Trol 931-R is approved for use in Canada.



July 5, 2001

Fire Chemicals

(Qualified or Approved and commercially available)

Chemical	Mix Ratio	Qualified/Approved Applications ¹					
		Fixed-Wing Airtanker ²	Fixed-Wing Water Scooper ³	SEATS	Fixed-Tank Helicopter	Helicopter Bucket	Ground Engine
WILDLAND FIRE FOAM (Qualified under Forest Service Specification 5100-307)							
Ansul Silv-Ex	0.1-1.0%	●	●	●		●	●
Fire-Trol FireFoam 103	0.1-1.0%	●	●	●		●	●
Fire-Trol FireFoam 103B ⁴	0.1-1.0%	●	●	●	○	●	●
Phos-Chek WD 881 ⁴	0.1-1.0%	●	●	●	○	●	●
Fire-Trol FireFoam 104	0.1-1.0%	●	●	●		●	●
Angus ForExpan S	0.1-1.0%	●	●	●		●	●
Pyrocap B-136	0.1-1.0%	●		●		●	●
Fire Choke	0.1-1.0%	●		●	●	●	●
National Foam KnockDown	0.1-1.0%	●		●		●	●

WETTING AGENTS (Qualified under specification 5100-305b)

KCR ⁵	1 qt/500 gal					●	●
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FIRE SUPPRESSANT GELS AND ELASTOMERS (Approved under Administrative Work Plan – these products will be covered by draft specification 5100-306a).

FireOut ICE ⁶	0.4-1.2%					○	○
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¹ ● Fully Qualified ○ Conditional Approval
² Products meet requirements for application from fixed-wing airtankers. Consult individual agencies for specific policies relating to foam use. USDA Forest Service does not allow application of foam from fixed-wing airtankers
³ Products meet requirements for application from fixed-wing water scooping aircraft. Consult individual agencies for specific policies relating to foam use. USDA Forest Service does not allow application of foam from fixed-wing water scooping aircraft.
⁴ Temporary administrative approval for application from fixed-tank helicopters.
⁵ Qualified wetting agent is limited to stocks on hand at GSA, fire caches, and work centers. New product received from supplier is not the same chemical and is not qualified.
⁶ This product was originally approved under the name Chemdal Aqua Shield.