TABLE 1 -Adapted from US EPA, Furniture Flame Retardancy Partnership, Environmental Profiles of Chemical Flame-Retardant Alternatives for Low-Density Polyurethane Foam, Table 4-1 (2005)

	ŵ						Huma	an H	ealtl	n Eff	ects					Eco	tox.	Fa	ite	Breal	kdown
	servie AS#)	Priority Effects		yes)	cts						ducts										
Chemical	Chemical Abstract Servies Registry Number (CAS#)	% in Formulation	Carcinogenic	Mutagenic	Reproductive	Developmental	Endocrine Disruption	Neurological	Acute Toxicity	Systemic/Organ Effects	Sensitization (skin)	Sensitization (respiratory)	Irritation/Corrosion (skin)	Irritation/Corrosion (eyes)	Immune System Effects	Acute	Chronic	Persistence	Bioaccumulation	Metabolites	Degradation Products
Antiblaze 180 and 195 (Albemarle)																					
Tris(1,3-dichloro-2-propy)Phosphate	13674-87-8	95	М	M	M	М		L		М	٦					M	М	М	L		
Antiblaze 182 and 205 (Albemarle)																					
Proprietary A - Chloroalkyl Phosphate (1)			М	M	M	М		L		M	L					М	М	M	L		
Proprietary B - Aryl Phosphate			L	L	M	М		M		M	L					Н	Н	L	М		
Triphenyl Phosphate	115-86-6		L	L	L	L		L		M	٦					Н	Н	L	L		
Antiblaze V500 (Albemarle)																					
Proprietary C - Chloroalkyl Phosphate (2)			М	L	М	М		L		M	М					М	М	M	L		
Proprietary B - Aryl Phosphate			L	L	М	М		M		M	L					Н	Н	L	M		
Triphenyl Phosphate	115-86-6		L	L	L	L		L		M	L					Н	Н	L	L		
Saytex RX-8500 (Albemarle)																					
Proprietary D - Reactive brominated flame retardant			L	L	L	L		М		М	М					М	М	L*	L		
Proprietary B - Aryl Phosphate			L	L	M	M		M		M	L					Н	Н	L	M		
Triphenyl Phosphate	115-86-6		L	L	L	L		L		M	L					H	Н	L	L		

Explanations: H=high concern; M=moderate concern; L=low concern. Colored bold text = based on experimental data. *Black italics text* = based on analog data or expert judgment.

US EPA: 1) did not consider Endocrine Disruption as an endpoint; 2) did not consider metabolites and degradation products in its assessemnt, although it noted where persistent degradation products might be expected; and 3) did not include in Table 4-1: Acute Toxicity (for humans), Sensitization - Respiratory, Irritation/Corrosion - Skin and Eyes, nor Immune System Effects -- however, all of these endpoints were addressed in the Appendices of the report.
*US EPA noted that persistent degradation products are expected.

Note: US EPA values for Persistence and Bioaccumulation are different than Green Screen values.

TABLE 2 -Adapted from US EPA, Furniture Flame Retardancy Partnership, Environmental Profiles of Chemical Flame-Retardant Alternatives for Low-Density Polyurethane Foam, Table 4-1 (2005)

Chemical	Si						Hur	mar	ı He	alth	n Eff	ects					Ecc	otox.	Fa	ate	Brea	kdown
	Servie AS#)			Pr	iorit	y Eff	fects	5			cts		tory)	kin)	yes)	cts						ducts
	Chemical Abstract Servies Registry Number (CAS#)	% in Formulation	Carcinogenic	Mutagenic	Reproductive	Developmental	Endocrine	Disruption	Neurological	Acute Toxicity	Systemic/Organ Effects	Sensitization (skin)	Sensitization (respiratory)	Irritation/Corrosion (skin)	Irritation/Corrosion (eyes)	Immune System Effects	Acute	Chronic	Persistence	Bioaccumulation	Metabolites	Degradation Products
Saytex RZ-243 (Albemarle)																						
Proprietary E - Tetrabromophthalate diol diester			L	L	L	L			L		М	L					L	Н	L*	L		
Proprietary B - Aryl Phosphate			L	L	М	М			M		М	L					Н	Н	L	М		
Triphenyl Phosphate	115-86-6		L	L	L	L			L		М	L					Н	Н	L	L		
FR 513 (Ameribrom)																						
Tribromoneopentyl Alcohol	36483-57-5		M	M	М	М			М		М	L					М	М	L*	L		
Firemaster 550 / 552 (Great Lakes)																						
Proprietary F - Halogenated aryl ester			L	L	М	М			L		М	L					н	Н	L*	L		
Proprietary G - Triaryl Phosphate, isopropylated			L	L	M	M			M		M	L					Н	Н	L	М		
Triphenyl Phosphate	115-86-6		L	L	L	L			L		M	L					Н	Н	L	L		
Proprietary H - Halogenated aryl ester			L	L	М	М			L		М	L					Н	Н	L*	L		

Explanations: H=high concern; M=moderate concern; L=low concern. Bold text = based on experimental data. *Black italics text* = based on analog data or expert judgment.

US EPA: 1) did not consider Endocrine Disruption as an endpoint; 2) did not consider metabolites and degradation products in its assessemnt, although it noted where persistent degradation products might be expected; and 3) did not include in Table 4-1: Acute Toxicity (for humans), Sensitization - Respiratory, Irritation/Corrosion - Skin and Eyes, nor Immune System Effects -- however, all of these endpoints were addressed in the Appendices of the report.
*US EPA noted that persistent degradation products are expected.

Note: US EPA values for Persistence and Bioaccumulation are different than Green Screen values.

TABLE 3 -Adapted from US EPA, Furniture Flame Retardancy Partnership, Environmental Profiles of Chemical Flame-Retardant Alternatives for Low-Density Polyurethane Foam, Table 4-1 (2005)

	ý						Hur	nan	Heal	lth E	fects	3				Eco	tox.	Fa	ate	Brea	kdown
	Servie AS#)	Priority Effects St. (CLD)	kin)	yes)	cts						ducts										
Chemical	Chemical Abstract Servies Registry Number (CAS#)	% in Formulation	Carcinogenic	Mutagenic	Reproductive	Developmental	Endocrine	Disruption	Acute Toxicity	Systemic/Organ Effects	Sensitization (skin)	Sensitization (respiratory)	Irritation/Corrosion (skin)	Irritation/Corrosion (eyes)	Immune System Effects	Acute	Chronic	Persistence	Bioaccumulation	Metabolites	Degradation Products
AB 053 / Fyrol FR-2 (Supresta)																					
Tris(1,3-dichloro-2-propyl)Phosphate	13674-87-8		М	М	М	М		L	-	M	L					М	М	М	П		
AC 003 (Supresta)				<u> </u>	<u> </u>												<u> </u>	<u> </u>			
Proprietary I - Organic Phosphate Ester		92-99	L	L	L	L		L		IV	L					Н	Н	Н	L		
Triphenyl Phosphate	115-86-6	1-8	L	L	L	L		L		M	L					Н	Н	L	L		
AC 073 (Supresta)																					
Triphenyl Phosphate	115-86-6	38-48	L	L	L	L		L		M	L					Н	Н	L	L		
Proprietary J - Aryl Phosphate		40-46	L	М	L	L		L		M	L					L	Н	L	L		
Proprietary K - Aryl Phosphate		12-18	L	L	L	L		L		M	L			_		L	L	L	L	_	
Proprietary L - Aryl Phosphate		1-3	L	L	L	L		L		M	L					L	L	L	L		

Explanations: H=high concern; M=moderate concern; L=low concern. Bold text = based on experimental data. *Black italics text* = based on analog data or expert judgment.

US EPA: 1) did not consider Endocrine Disruption as an endpoint; 2) did not consider metabolites and degradation products in its assessemnt, although it noted where persistent degradation products might be expected; and 3) did not include in Table 4-1: Acute Toxicity (for humans), Sensitization - Respiratory, Irritation/Corrosion - Skin and Eyes, nor Immune System Effects -- however, all of these endpoints were addressed in the Appendices of the report.
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Note: US EPA values for Persistence and Bioaccumulation are different than Green Screen values.