

Table 1 - Continued

Application Type	"Thixotropic" Agent	Activity	Dust Counts		Notes and Comments (3)
			Fibers/ml. (1) >5 μ m	Total Dust (2) MPPCF	
Large polyester fiber glass boat yard.	~0.5% RG-244 and ~0.5% pyrogenic silica	Typical laminating operations. Standard air-supported chopper gun.	1.1	19.1 (a)	Samples taken at breathing zone of operator spraying into a boat mold. Samples marked (a) taken during gel coat spraying about 50 feet away which fogged entire building. Fibers counted <u>not</u> typical of asbestos.
			0.9	22.3 (a)	
			0.8	12.4	
			1.2	17.5 (a)	
			1.3	10.8	
	~0.5% RG-244 and ~0.5% pyrogenic silica	Edge grinding of cured resin boat hulls and inserts. Outdoors.	3.0	---	Fibers counted <u>not</u> typical of asbestos. Wind was quite strong and changing directions frequently. Heavy cloud of visible dust produced.
			2.3	---	
			2.1	---	
Large polyester furniture coating manufacturer. Good building ventilation.	~0.05% RG-244	Hand sanding polyester coatings.	0.002	1.6	Small amount of dust found apparently generated during stacking of sanded parts.
			0.002	1.9	
			0.003	1.9	
		Large power sander with integral hood sanding polyester casting.	0.001	0.6	
			0.002	2.6	
			0.002	3.5	
		Mold filling area. (Liquid polyester poured.)	0.001	1.0	
		Mixing area where RG-244 added to liquid polyester.	0.004	3.8	
			0.007	5.4	
			0.005	4.1	

- (1) Present OSHA standard for asbestos fibers (~5 microns in length) is 5 fibers per milliliter as an 8-hour time-weighted average. 10 Fibers per milliliter may be allowed for no more than 15 minutes per hour for up to 5 hours in an 8-hour day.
- (2) MPPCF - Millions of particles per cubic foot of air. The present OSHA standard for amorphous silica is 20 MPPCF, and the existing OSHA standard of 50 MPPCF would apply to both fibrous glass and the dust from polymerized styrene.
- (3) All samples taken at breathing zone level of operator. 10 Minute collection time unless noted.