

Owens-Corning Fiberglass Corporation
Kaylo Division
Berlin, New Jersey



Results of an atmospheric study conducted in the above plant
on March 24, 1960

Table I - Dust Concentrations

<u>Sample Number</u>	<u>Location and Remarks</u>	<u>Dust Count M.P.D.C.F.*</u>
F13867	Batch floor, mixing a composition of asbestos, sand and lime by dumping bags of material into hoppers	2.9
F13868	Repeat of above sample number F13867	2.7
F13869	Repeat of above sample number F13867	3.74
F13870	Repeat of above sample number F13867	8.78
F13871	Repeat of above sample number F13867	0.6
F13872	Repeat of above sample number F13867	2.0
F13873	Molded pipe covering line. Stripping molded covering from mold	4.46
F13874	Roundware line 2. Pouring wet composition into molds	0.46
F13875	Repeat of sample number F13874	0.64
F13876	Flatware line. Feeder end	7.28
F13877	Repeat of sample number F13876	6.46
F13878	Slip saw operator. Kaylo molded material	0.69
F13879	Packing. Finished Kaylo material	3.56
F13880	Repeat of sample number F13879	8.14
F13881	Flatware stripping station. No. 1 line	0.81
F13882	Repeat of sample number F13881	0.10

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Table 1

Note: m.p.p.c.f. means millions of particles of dust per cubic foot of air. The dust originated while mixing and fabricating a Kaylo product consisting of asbestos, silica and lime.

The threshold limit values for asbestos, silica, and lime dust are generally accepted to be as follows for a daily 8-hour exposure:

asbestos	5.0 m.p.p.c.f.
silica	
high (above 50% free silica)	5.0 m.p.p.c.f.
medium (5 to 50% free silica)	20. m.p.p.c.f.
low (below 5% free silica)	50. m.p.p.c.f.
lime (nuisance, no silica)	50. m.p.p.c.f.