

KETTERING LABORATORY
COLLEGE OF MEDICINE, UNIVERSITY OF CINCINNATI
 EDEN AVENUE, CINCINNATI, OHIO 45219

Material: Seven (7) samples of airborne particulate matter collected in a solution of 50% ethyl alcohol and 50% distilled water.

Submitted: August 26, 1969 by S.I. Lerner, M.D., for W.E. Rinehart, Sc.D., Laboratory of Environmental Medicine, Medical Department, 1700 Perdido Street, New Orleans, Louisiana 70112

Required: Count of asbestos fibers only

<u>Results</u>			
<u>Analysis Number</u>	<u>Sample Number and Sampling Location</u>	<u>Date of Sampling</u>	<u>Number of Asbestos Fibers MPP ft³</u>
	<u>Pasadena Plant</u>		
69A-6062	P-1 BZ at bench saw during cutting of asbestos board.	August 18, 1969	0.3
69A-6063	P-2 BZ at band saw during cutting of asbestos board.	"	0.2
69A-6064	P-3 BZ at portable saw (outside) during cutting of asbestos board.	"	0.1
	<u>Baton Rouge Plant</u>		
69A-6065	BR-1 BZ in second floor alloy area (in shop) during hand sawing of asbestos board.	August 20, 1969	<0.3
69A-6066	BR-2 BZ in second floor alloy area (new vibrating conveyor) doing hand sawing, slicing and fitting of pipe insulation.	"	<0.1



Ethyl Corporation
Lab of Environmental Medicine

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Analysis Number	Sample Number and Sampling Location	Date of Sampling	Number of Asbestos Fibers MPP ft ³
69A-6067	BR-3 BZ in HC shop (doors closed) during hand sawing of as- bestos board.	August 20, 1969	1.2
69A-6068	BR-4 BZ in HC shop area (outside) at rotary saw during sawing of asbestos boards.	"	4.2

E-00296

ETC 15623

Reported: 9-17-69

SAMPLES for DUST COUNTING for ASBESTOS

Samples in plastic bottles collected
at Pasadena

Bottle	Flow rate	length of time	Location
P #1	0.1 CFM	10 min.	BZ At Bench Saw during cutting of Asbestos board
P #2	"	"	BZ at Band Saw during cutting of asbestos board
P #3	"	"	BZ At Portable saw, outside, during cutting of Asbestos board.

Samples were collected in 10 ml. of
50% EtOH and 50% H₂O, following which
they were transferred by washing
into bottle for shipment. Samples
should be measured and made
up to standard volume before
analysis.

223 S. Fifth
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449-3344

From: JAMES O. PIERCE, Sc.D.
Director

ENVIRONMENTAL TRACE SUBSTANCES CENTER

To:

*To be filled out
when analyses are
completed.*

ENVIRONMENTAL HEALTH CENTER
University of Missouri - Columbia

E-00301

ETC 15628

TABLE 3
 Concentration of Asbestos Particles in Air During
 Sawing of GAF Ruberiod Calsilite Thermal Insulation
 #97-7-2614-Pasadena Plant
 Ethyl Corporation

LOCATION OF SAMPLER	FLOW RATE cfm	LENGTH OF TIME min.	MILLIONS OF PARTICLES PER CUBIC FOOT OF AIR* mppcf
Breathing zone of operator during continuous sawing of insulation by use of table saw.	0.1	9:00- 9:10 am. (10 min.)	
Same as above but sawing with bond saw.	0.1	9:15- 9:25 am. (10 min.)	
Same as above except using portable saw, outdoors, equipped with down draft ventilation.	0.1	9:45- 9:55 am. (10 min.)	

*The analyses were performed by the Kettering Laboratory, University of Cincinnati. Samples were called on August 19, 1969.