

July 8-11, 1969

ETHYL CORPORATION

PASADENA, TEXAS

Dust Counts Obtained On Samples of Air Collected By Use of
Midget Impinger During Indoor Sandblasting Operations at
Sodium Plant.

<u>Location of Sampler</u>	<u>Millions of Particles Per Cubic Foot of Air mppcf</u>	<u>Calculated* TLV mppcf</u>
Sampler located ap- proximately 15 ft. from operator, (#1) during sandblast- ing	18	2.8
Observer in same area not wearing (#2) respirator	20	
Outside air near en- closed sandblasting area HB-Z	1.2	--

*Calculated from the formula:

$$\text{mppcf} = \frac{250}{\% \text{SiO}_2 + 5}$$

and is based upon a per cent
silica of 85% (average of two
samples analyzed).

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ANALYSIS OF SAND
COLLECTED FROM SANDBLASTING
AREA FOR FREE SILICA

<u>Sample Identification</u>	<u>Per Cent Free Crystalline Silica in Sample</u>		
	<u>Quartz</u>	<u>Cristobalite</u>	<u>Tridymite</u>
Sample taken from previously unopened bag as received from supplier	89	absent	absent
Sample collected from settled dust inside sandblast room in HBZ area	81	absent	absent

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