

REPORT OF THE EXAMINATION OF A SAMPLE OF
"INDUSTRIAL FLOOR-DRY #85"

Submitted by Mr. G. A. Cowan, Eagle-Picher Company,
Cincinnati, Ohio.

For Determination of Free Silica Content

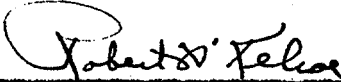
The following results were obtained:

Acid Soluble Material	6.4 per cent
Combined Silica (material soluble in hydrofluosilicic acid)	93.0 per cent
Free Silica (material insoluble in hydrofluosilicic acid)	0.6 per cent

The material was further examined by X-Ray diffraction, which showed that it contained a trace (in keeping with the analytical data) of a crystalline quartz compound identified as α -cristobalite.

Interpretation: The potential hazard of the occurrence of silicosis among persons who might inhale the dust of this product would be related only to the minute proportion of free silica found therein.

Signed:


Robert A. Kehoe, M. D.
Director, Kettering Laboratory

February 21, 1949

Material: *Sample 1* "Industrial Floor-Dry" #85
Source: Eagle-Picher Company, Cincinnati, Ohio
Submitted: 1-25-49 by Mr. G. A. Cowan, Sales Manager
"Floor-Dry" Department, Eagle-Picher Company,
American Building, Cincinnati 1, Ohio
Required: Free Silica Determination

Results

Acid Soluble Material	6.4%
Combined Silica (material soluble in hydro- fluosillicic acid)	93.0%
Free Silica (material insoluble in hydro- fluosillicic acid)	0.6%

This material was also examined by X-ray diffraction technique which showed it to be amorphous but containing a trace of a crystalline quartz compound which was identified as α -cristobalite.

Reported: 2-8-49

Robert A. Kehoe, M. D.
College of Medicine Eden Avenue
Cincinnati 19, Ohio

February 14, 1949

Eagle-Picher Company,
American Building,
Cincinnati 1, Ohio.

Attention: Mr. G. A. Cowan,
Sales Manager

Analyses of Industrial Floor-Dry #85

\$50.00

KE 0005225