UNION CARBIDE

INTERNAL
CORRESPONDENCE

GLD

UNION CARBIDE CORPORATION
METALS DIVISION

P.O BOX 579, 4625 ROYAL AVE.
NIAGARA FALLS, NEW YORK 14302

PLAINTIFF'S EXHIBIT
UC-1034

To (Name) R. E. Byrne
D. F. Kapral
F. L. Smith
Division
Location Niagara Falls, NY
Area

Date January 31, 1983
Originating Dept. TECHNOLOGY - Product Development
Area

Copy to

Subject Air Monitoring Dust Count Report Format
530-10902

J. B. Rouse, UCC Law Department, has reviewed the Asbestos Dust Monitoring report insert pertaining to Procedures, Limits and Conditions. A couple of minor revisions have been recommended, see attached.

I suggest we wait until the insert has cleared with the Labor Section before making any revisions.

B. L. Ingalls

BLI/jl

Attachments

A20287

RECEIVED
JAN 31 1983
UCC-CALIDRIA
NIAGARA FALLS, N. Y.

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CORRESPONDENCE

RECEIVED
JAN 20 1983
U. B. ROUSE

UNION CARBIDE CORPORATION P.O. BOX 579, 462 BUFFALO AVE.
METALS DIVISION
NIAGARA FALLS, NEW YORK 14302

To (Name) J. B. Rouse
Division UCC Law Dept
Location Section E-1280
Area Old Ridgebury Road
Danbury, CT 06817

Date January 17, 1983
Originating Dept TECHNOLOGY - Product Development
Area

Copy to Messrs: R. E. Byrne
D. F. Kapral
J. L. Myers

Subject Air Monitoring Dust Count Reports Format
10902

Pursuant to our telephone conversation of January 14, 1983, enclosed you will find the insert to our dust count reports issued to customers which covers sample equipment and test procedures, comments regarding current regulations, calculations for fiber determinations and limits and conditions.

Would you please review the current language of the attachment and let us know if it meets with your understanding and agreement. References regarding sample equipment, test procedures and the comments are currently being followed as stated.

B. L. Ingalls

/jl

Enclosure

To →

Blair, I have only two minor comments on the attached insert otherwise it looks good to me. By copy to Ms B-L White of our Fiber Section, I am requesting her review and comment where appropriate.

Jim Rouse

cc: B-L. White
E2-251

Files
A26280

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SAMPLE EQUIPMENT AND TEST PROCEDURES

Sampling and dust counting are carried out in accordance with OSHA Regulation 1910.1001, based on NIOSH Analytical Method P&CAM 239 and OSHA methods; reference- Occupational Safety and Health Administration Methods, W. C. Dixon, pp 431, NBS special publication No. 506, U.S. Department of Commerce, November 1978.

Battery-powered air pumps(M.S.A. type), calibrated to 2 liters per minute, are used to collect personal breathing zone and environmental samples on Millipore membrane filters of 0.8 micron porosity. Fiber counting is performed on a Nikon phase contrast microscope at 400X utilizing a Porton reticle for sizing and field definition.

Two results have been reported for each sample - they are:

1. Chrysotile Asbestos - All fibers having an aspect ratio ≥3 and a length >5μ that are in the operator's judgement, chrysotile. In the event of doubt or the absence of further information, any fiber having the above physical dimensions is counted as chrysotile.

2. Possible Amphibole Asbestos - All amphibole asbestos fibers having an aspect ratio ≥3 and a length >5μ. In the event of doubt or the absence of further information, any fiber of similar appearance and dimensions is counted as amphibole asbestos.

COMMENTS

The OSHA regulations permit a maximum limit of 2 fibers greater than 5 microns in length per cubic centimeter of air sampled on the basis of an 8-hour, time-weighted average (TWA). The formula $\frac{C_1T_1 + C_2T_2 + C_nT_n}{\Sigma T}$ describes the TWA where C= fiber count in fibers/cc and T= time.

The regulations also stipulate a ceiling concentration of 10 fibers/cc greater than 5 microns which is not to be exceeded at any time.

LIMITS AND CONDITIONS

1. In compiling this report, Union Carbide followed procedures which it believes to be accurate and reliable but there may be other methods for evaluating asbestos fiber emissions which may produce different results.

2. The air monitoring results reported herein are not necessarily representative of the results which may be found at different locations or under different operating conditions.

3. Any use of or reliance upon the data or other information contained herein by yourself or any other party shall be without any recourse to or liability on the part of Union Carbide.

4. The breathing of asbestos dust may cause serious bodily harm and Union Carbide makes no warranty or, ~~guarantee~~ that the results contained herein indicate safe levels of exposure. It is the responsibility of any user of asbestos or asbestos-containing product to ensure that safe handling procedures are employed and that applicable government regulations are complied with. Appropriate literature and other information concerning asbestos and health or regulations are available upon request.

5. Regardless of the results of these tests you should consider the advisability of further air monitoring.

TEST RESULTS

The details of sample collection and resultant fiber counts are listed in the attached table(s).

A2028

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