

R. Wabeke



pw

File: DGP

Inter Office

Glass Division

April 23, 1975

Messrs. O. H. Crowe
K. Klein
A. G. Vanooostveen

PLAINTIFF'S EXHIBIT

FD-1763

cc : Messrs. E. H. Augustin W. Reid
 R. T. Brinton F. M. Smithers
 R. M. Currie D. F. Thompson
 N. Malani R. K. Woo
 M. R. O'Rear R. W. Woodruff
 R. T. Renaud D. H. Payne

SUBJECT : Approval of Marblewhite No. 325--ST(H)99B-119

Attached find approved shop trial report permitting the use of Marblewhite No. 325 as a replacement for talc. Because of the advantages of this material over talc relative to environmental health and safety, it is recommended that its use be implemented as soon as possible.

A new manufacturing standard will be issued to cover the requirements of Marblewhite 325. Mr. Malani is preparing a proposed standard which will be forwarded to you for review as soon as it is available. In the meantime, this letter can be used as your authority to purchase this material.

K. W. Lackey
K. W. Lackey, Manager
Forward Program Planning
Glass Engineering & Development

Concurred by:

J. G. Gill

J. G. Gill, Manager
Glass Engineering & Development

ELH:cac

Attachment

2007 0086

SHOP TRIAL REPORT - NONPRODUCTION MATERIALS

 For use with the
Form 100-100-100

DIVISION Glass		PLANT Nashville		DEPT. 71-003	SHOP TRIAL NO. ST(H)995-110
DESCRIPTION OF TEST MATERIAL	TYPE OF MATERIAL Calcium Carbonate Powder (CaCO_3)				DATE SHOP TRIAL BEG. 10-18-74
	MANUFACTURER Pfizer Inc. Minerals, Pigments & Metals Div.		MANUFACTURER'S IDENTIFICATION Marblewhite No. 325		LAB REPORT NO.
PART NO.	PART NAME		DATE OF LAB. TEST		
DURATION OF TRIAL TIME 3 months		DATE STARTED Oct. 23, 1974		DATE COMPLETED Jan. 24, 1975	
REASON FOR TEST:	☐ NEW PROCESS	☒ PRESENT MATERIAL UNSATISFACTORY	☐ MORE COSTLY, BUT BELIEVED BETTER THAN PRESENT MATERIAL	☐ LESS EXPENSIVE	☐ ADDITIONAL SUPPLIER
NEW MATERIAL FOR FURTHER REFERENCE					

EXPLANATION:

DETAILED DESCRIPTION OF TEST PROCEDURE AND EQUIPMENT USED:

Calcium carbonate powder is sprayed by an operator onto the glass templet (short) with a DeVilbress GB-503 spray gun in a very light coat prior to bending. Powder is also periodically sprayed on 800° F glass after a malfunction of the quench operation in the inline tempering lehrs.

MANUFACTURING ENGINEERING OR PLANT ENGINEERING INSTRUCTIONS

a	
b	
c	
d	
e	

DESCRIPTION OF PRESENT MATERIAL	M NO. OR PROCESS SYD. NO. M99893A(V)	MANUFACTURER Eaton Chemical Co, Detroit, Mich	MANUFACTURER'S IDENTIFICATION Thermolite Talc
------------------------------------	---	--	--

COST - PER - UNIT COMPARISON

		PRESENT MATERIAL	NEW MATERIAL
1	MATERIAL COST PER UNIT OF MEASURE (GALLONS, POUNDS, ETC.)	\$108/ton in 50# bags	\$19/ton in carload
2	AMOUNT OF MATERIAL USED IN TEST		
3	QUANTITY OF UNITS PRODUCED OR PROCESSED (PARTS, SQ. FEET, ETC.)		
4	MATERIAL COST (1 X 2 ÷ 3)	\$	\$
5	LABOR COST	\$	\$
6	TOOL COST	\$	\$
7	TOTAL COST (4 + 5 + 6)	\$	\$

ADVANTAGES:

Meets OSHA and Industrial Hygiene Standards, less expensive.

DISADVANTAGES:

None

REMARKS AND RECOMMENDATIONS:

Amount of material and labor cost of talc vs. calcium carbonate would be the same.
Recommend M number be assigned to calcium carbonate.

NEW MATERIAL PERFORMANCE - AS EVALUATED
PRESENT MATERIAL:

☐ EQUAL ☒ SUPERIOR ☐ INFERIOR

SHOP TRIAL CONDUCTED BY (SIGNATURE) *W. N. Robinson* TITLE *ENR* DATE *3/7/75*

CONCURRED - DEPARTMENT MGR. (SIGNATURE) *R. K. Woo* ACTIVITY *Manager, Manufacturing Engineering* DATE *3/11/75*

DIVISIONAL ACTIVITY	REVIEWED BY	DATE	APVD.	NOT APVD.	REMARKS
QUALITY CONTROL	<i>A. E. Glavin</i>	<i>4/21/75</i>	☒	☐	
MANUFACTURING ENGINEERING	<i>R. K. Woo</i>	<i>4/9/75</i>	☒	☐	
MANUFACTURING STANDARDS	<i>W. N. Robinson</i>	<i>4/9/75</i>	☒	☐	
INDUSTRIAL RELATIONS	<i>K. W. Rieck</i>	<i>4/10/75</i>	☒	☐	
MANUFACTURING STANDARDS	<i>W. N. Robinson</i>	<i>4-10-75</i>	☒	☐	

*USE ATTACHMENTS IF ADDITIONAL SPACE IS REQUIRED

8007 0687

PO

25711 Southfield Road
Southfield, Michigan 48075
Telephone 313 424-8860

pw file: DGR

April 22, 1976

Mr. Charles E. Plasters
Industrial Hygienist
Ford Motor Company
3001 Miller Road
Dearborn, Michigan 48121

PLAINTIFF'S EXHIBIT

FD-1764

Job No. 4233-476-LA
Date Received 4/13/76
Partial Report

Clayton Environmental Consultants, Inc.

Dear Mr. Plasters:

The samples which you submitted to us have been analyzed as requested; the results are compiled in the enclosed tables.

The concentrations of airborne asbestiform fibers greater than five micrometers in length per ml of air were calculated based on field sampling data supplied by Ford Motor Company.

As discussed with you on April 21, 1976, the results of the X-ray diffraction analysis of the bulk talc sample (lab no. 97442) for asbestos will be forwarded to you upon completion.

It has been a pleasure to be of assistance to you. Please contact us if you have questions concerning any aspects of this report.

Very truly yours,

Robert D. Soule/D.H.

Robert D. Soule, P.E.
Vice-President
Director, Laboratory Services

RDS:ph

Enclosures

8007 0085