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RESEARCH  
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April 22, 1964

Mr. B. Szytnyk  
Project Engineer  
Fire Protection Department  
Underwriters' Laboratories, Inc.  
P. O. Box 247  
Northbrook, Illinois 60062

Dear Dan:

Regarding the JAFCO BLAZE-SHIELD (JAFCO Spray Standard) formulation for the Procedure revision, we currently weigh out automatically in a weigh hopper 200 lbs. of mineral wool which has an accuracy of  $\pm 6\%$ ; 100 lbs. of Grade 5 asbestos which may vary in weight perhaps  $\pm 3\%$ ; 10 lbs. of Bentonite Clay and  $7\frac{1}{2}$  lbs. Portland Cement, which is weighed to an accuracy of approximately  $\pm 10\%$ . It is mixed for a minimum of 1 minute.

We are intending to increase the size of our batch by modifying our mixing equipment, and therefore would appreciate the Procedure to indicate that the size of the batch may be increased or decreased in order to accommodate the various mixing equipment.

Under Raw Materials, the asbestos used for BLAZE-SHIELD is called Grade 5 and is purchased directly from the asbestos manufacturer or from distributors who may have it as regular or surplus material. Below is a list of manufacturers and the product designation.

| <u>Manufacturer</u>                 | <u>Product Designation</u>            |
|-------------------------------------|---------------------------------------|
| Johns-Manville of Canada . . . . .  | Grade USM 5 or Grade 5Z               |
| The Huberoid Company . . . . .      | Grade- Vermont Grade 5 Asbestos Fiber |
| Lake Asbestos of Quebec . . . . .   | Grade 5R, 5Z5, or 5 EXP               |
| Ace Asbestos Mfg. Company . . . . . | Grade 5R and 4T                       |
| Phillip Carey Co. . . . .           | USM Grade 5                           |
| Asbestos Corp. of America . . . . . | No. 5                                 |

We have also purchased from Asbestos Corporation of Canada, but the exact designation is not known.

Stamp 70 (signature)

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|                             |                                   |
|-----------------------------|-----------------------------------|
| Corn Products Co.           | Laurel Instant Starch             |
| National Starch & Chem. Co. | Hydrosol Starch                   |
| American Maize Products Co. | Hot rolled (PFP) Pure Food Powder |

Mr. Szytnyk, ULI

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April 22, 1964

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As mentioned in my previous correspondence, the dedusting agent comes in tank trucks, and we purchase it merely as Annealing Oil.

Please advise if you require additional information.

Sincerely yours,

COLUMBIA ACOUSTICS AND FIREPROOFING COMPANY

  
Frank M. Stumpf  
Vice President - Research

FMS/ec

IDENTIFICATION OF INGREDIENTS:

Asbestos Fiber - The asbestos fiber may be purchased from any one of the following manufacturers and the bags, depending on the manufacturers, shall bear the corresponding designation.

| <u>Manufacturer</u>           | <u>Product Designation</u>               |
|-------------------------------|------------------------------------------|
| Johns-Manville of Canada      | Grade USM 5, Grade 5Z, or<br>Grade USM 6 |
| The Ruberoid Company          | Vermont Grade 5                          |
| Lake Asbestos of Quebec       | Grade 5R, 5Z5, 5EXP, or 6D               |
| Ace Asbestos Mfg. Company     | Grade 5R or 4T                           |
| The Philip Carey Mfg. Company | Grade USM 5                              |
| Asbestos Corp. of America     | No. 5                                    |

The ash content of the asbestos (any of the above designated grades) shall be not less than 85.0 per cent.

*Stamp 76D*