

# NATIONAL FRICTION PRODUCTS CORPORATION

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Mr. R. W. Rosenow, Manager  
Airflex Plant  
Eaton Corporation  
9919 Clinton Road  
Cleveland, Ohio 44111

Subject: Asbestos

Dear Bob,

This will confirm in part the phone conversation of today on this subject.

Attached is the reference to various transformations that occur when asbestos is heated. Incidentally, there are several different types of asbestos and the one used in friction materials is referred to as chrysotile.

On page 3, the bottom paragraph of the left column, there is direct reference made to the transformations. Amplifying on this somewhat, once the water of hydration is lost (and it starts occurring around 700°F and is complete at 1000°F), the remaining material is no longer chrysotile asbestos and would no longer be subject to the OSHA and EPA restrictions. This is referred to directly in the Caterpillar report where, on page 15, reference is made to heating asbestos fibers (to 900°F). This exposure destroys the fiber and then mechanical rubbing the residue would result in a powder with the particle size being less than one micron. Thus, neither OSHA nor EPA would cover this since, first the material is no longer chrysotile asbestos and second, even if it were, the particle size is considerably smaller than the 5 micron lower limit used by both government agencies.

I am hopeful that this information can be useful to you.

Best regards,

  
E. J. Sydor  
General Manager

EJS:jm

Encl.

cc: M. Collins  
E. Figert

