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DATE: 1981 Apr 20

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DOCUMENT DESCRIPTION: Memo with Data Sheet - Asbestos
Exposure:OEM Grinders

Inter Company Correspondence

File Code

Date

April 20, 1981

To-Name & Department

Division

Plant/Office

C.M.S. Number

S. C. Enders, Jr.

Plant Manager

Procurement &
Supply Group

Trenton
Chemical

453-02-0

From-Name & Department

Division

Plant/Office

C.M.S. Number

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Industrial Hygiene

Personnel &
Admin. Office

Chrysler
Center

417-05-1

Subject:

ASBESTOS EXPOSURE: OEM GRINDERS

Summary

On March 18, 1981 the writer conducted an asbestos survey on the primary and secondary brake pad OEM grinders in the Friction Products Building. Results of the survey indicate that employee exposures are within the allowable OSHA Permissible Exposure Limit (PEL) of 2 fibers per cubic centimeter of air.

Discussion

In the course of analysis of the samples, one employee, T. Nordyke #278-40-8578, was found to have a short-term exposure at the PEL of 2 fibers/cc air, although his time-weighted average exposure was below the PEL. There are two factors which can explain this exposure level. As the brake pads come off the belt, the employee inspects each one for defects. When a sufficient quantity of pads has accumulated, he aligns all the pads by slapping them together on the work platform. The inspector then transfers the brake pads to the shipping carton. During this process the inspector dislodges loose asbestos fibers from the pad, thereby, increasing his asbestos exposure level. The second reason is inadequate use of the ventilated inspection area on the work platform. The inspectors have a tendency to work away from the ventilated area thereby by-passing any usefulness of the existing ventilation.

In order to keep the asbestos exposure to a minimum, the use of the ventilated work areas must be mandatory at all times. In addition, inspectors should be instructed on proper handling of the brake pads so as to minimize any dislodging of loose asbestos fibers.

In accordance with the memorandum of R. D. McIntosh, M.D. and G. A. Sattelmeier (Inter-Company correspondence of July 3, 1979) all three employees are required to have annual medical examinations.



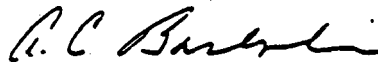
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S. C. Enders, Jr.
April 20, 1981
Page 2

Subject: ASBESTOS EXPOSURE: OEM GRINDERS

If you have questions regarding this report, contact
the writer.



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hm
Attachment

cc: L. F. Andre
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G. A. Sattelmeier

Data Sheet
Trenton Chemical Plant
March 18, 1981

Asbestos

<u>Location</u> Permissible Exposure Limit	<u>Exposure in fibers/cc</u>	
	2.0	
	<u>Results</u>	<u>TWA</u>
G. Dickens #384-58-3426		
(Inspector) Primary Pads	0.5	
Secondary Pads	0.6	0.6
T. Nordyke #278-40-8578		
(Inspector) Primary Pads	0.8	
Secondary Pads	2.0	1.4
T. Aben #362-58-3074		
(Grinder Operator) Primary Pads	0.2	
Secondary Pads	0.2	0.2
Area Sample Primary Pad Grinder	0.4	
Area Sample Secondary Pad Grinder	0.1	

All samples were collected on cellulose ester filters with MSA Model G pumps and analyzed by phase contrast microscopy.