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To—Name & Department		File Code / Division	Date / Plant/Office	CIMS Number
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From—Name & Department		Division	Plant/Office	CIMS Number
D. P. Glazier	Industrial Hygiene	Employee & Ind. Relations	Chrysler Center	417-05

Subject: INDUSTRIAL HYGIENE SURVEY

Copy given to Burnam Suter 3/22/77

On February 11, 1977, the writer investigated employee exposure to airborne asbestos fibers and oil mist at the Toledo Machining Plant. The results of this survey are listed on the attached data sheets opposite the corresponding job description.

At the time of this survey it was noted that certain skids of disc brake shoes (Part No. 4036009) shipped from Trenton Chemical on January 11, 1977 appeared to be contaminated with significant quantities of loose asbestos dust. Subsequent air samples obtained in the breathing zone of the most severely affected employee, i.e., air sample (1), indicated a time-weighted average asbestos exposure of 1.9 fibers per cubic centimeter of air. The OSHA Permissible Exposure Limit for asbestos is 2.0 fibers, longer than five microns in length, per cubic centimeter of air. Past experience at this work station has shown that exposures of this magnitude will only occur when the brake shoes are contaminated with significant quantities of loose asbestos dust.

Chrysler Chemical Division has informed the corporate Industrial Hygiene Department that the dust condition observed on February 11, 1977 resulted from inadequate maintenance of the "defuzzer" cleaning brush, which removes loose asbestos fibers from the disc brake shoes prior to shipment. In addition, Chemical Division has assured us that they will carefully monitor the condition of the "defuzzer" equipment and the disc brake shoes, so as to prevent any recurrence of the dust condition which existed at the time of this survey.

No corrective action is recommended at this time for those work stations where employee exposure was found to be well within the applicable OSHA Permissible Exposure Limit.

Daniel P. Glazier

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dms
Attachments
cc: F. A. Burnett, T. P. Duross, S. C. Enders, E. A. Kolacki, N. McCallum, W. M. O'Brien, G. A. Sattelmeier, R. L. Suter

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