cc: D. M. Marsh - Exper. Station
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G. J. STOPPS
EMPLOYEE RELATIONS
HASKELL LABORATORY

SAFETY CONSIDERATIONS IN HANDLING POWDER COATINGS

A major research effort has been undertaken at F. & F. Department, Experimental Station, in the area of powder coatings. In order to conduct the research work safely, we are asking you to help set up safety guidelines for the handling and spraying of powder coatings.

The types of materials currently under investigation are powder versions of 926/927-Line and 980/981-Line coatings consisting of acrylic resins and pigments. The particle size ranges from 10 to 100μ with an average of 50 ± 10μ. I have already suggested that lead containing pigments not be used until adequate safety guidelines are established.

The spraying at the Experimental Station is done in a spray booth of approximately 8 feet high by 5 feet wide. During spraying the average air velocity is 20 fpm, and during clean-up the velocity is increased to 90 fpm. All sprayers use a Dustfoe 77 respirator during spray and clean-up (a brochure is attached).

We would appreciate any help you can give us on this matter. If needed, a powder spraying demonstration can be arranged.

WILLIAM W. MILLER
TOXICITY & POLLUTION CONTROL COORDINATOR

WWM:lhw
Attachment

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