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BCC: W. P. Conant-Atlanta
H. A. Lovejoy-Atlanta
D. F. Smith-GC

December 16, 1959

Mr. J. W. Weber
President
Dixie Diecasting Company
Reidsville, North Carolina

Dear Mr. Weber:

I have been asked to forward information relative to the toxicity of Pydraul F-9 and Pydraul A-200.

There is enclosed data entitled, "The Discussion and Interpretation of Pydraul F-9 Toxicity Studies" which supplements the summary which appears on page 18 of the enclosed Pydraul F-9 technical bulletin.

In the case of Pydraul A-200, our interpretation of the toxicity data obtained on this newer synthetic hydraulic fluid is that accidental ingestion is not a particular hazard in view of the high oral lethal dose (Oral LD50: 10,500 mg/kg). Similarly, single massive skin exposures should not be immediately hazardous (Skin MLD: 625 to 1,250 mg/kg). The lethal dose following skin penetration is such, however, that prolonged and repeated skin contact should be avoided. Such exposure must also be avoided to prevent skin irritation. We also feel that vapor inhalation should be avoided when the fluid is at elevated temperatures. Such exposure again relates to prolonged or repeated exposures rather than massive or acute exposure. In the case of the latter, workmen would probably not voluntarily subject themselves to concentrations that are hazardous for short periods.

In general, I would say that the low degree of hazard is characteristic of both of these materials.

If I can be of any further help, please let me know.

Very truly yours,

Elmer P. Wheeler
Assistant Director
Medical Department

EPW:dh
Enclosures 2

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