

General Offices - St. Louis 66, Mo.

November 12, 1962

Pydraul
National Coal Board of Great Britain

Your memo - 11/2/62

Mr. C. B. Ammons
General Offices

Attached are two summaries of toxicity and safe handling data; one for Pydraul F-9 and one for Pydraul 150.

I doubt that these will persuade the National Coal Board to take a favorable view of the use of the Pydrauls in underground mines. I would not be concerned about the incidental exposure of ingesting either of these Pydrauls by contaminating sandwiches, etc., with the fluid on unwashed hands. The real problem with these fluids is the possibility of:

1. Repeated and prolonged skin contact can lead to "defatting" of the skin such as might occur with paint thinner. The loss of the normal fats and oils of the skin leads to chapping, cracking and possible infection.
2. More important, the components of the Pydrauls can be absorbed through the unbroken skin with the danger of subsequent systemic effects. We would hesitate to recommend the use of these fluids where workmen would be exposed day-in and day-out to skin contamination such as is normally the experience of a mechanic repairing automobiles in the typical garage. Perhaps this is not a good analogy but it is the best I can offer.

Elmer P. Wheeler

EPW:sf

Enclosure



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