Y-67-100

Medical Department - St. Louis

October 16, 1967

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PYDRAUL 230 -- ACUTE TOXICITY TESTING

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Undiluted Pydraul 230 was classed as practically non-toxic when administered orally to mixed sex rats. The acute oral LD_{50} was 10,500 mg/kg. Most deaths occurred in two to three days. Toxic signs were loss of appetite and increasing weakness.

The undiluted compound was classed as mildly toxic when applied to the clipped intact skin of mixed sex rabbits. The acute minimal lethal dose was greater than 1260 but less than 2000 mg/kg. Time to death was 5 to 7 days. Toxic signs were lethargy and weakness and within 2 to 3 days tremors developed.

The undiluted compound was classed as a slight irritant to the clipped intact skin of mixed sex rabbits. Following removal of the compound after 24 hours contact with the skin, the skin was normal within 4 days.

The undiluted compound was classed as a mild eye irritant to the rabbit. There was some irritation immediately after application as evidenced by blinking. Maximum irritation (mild) occurred within the first hour of contact. Following removal of the compound after 24 hours of contact the eye was normal within 7 days.

All rats survived a 6-hour exposure to the saturated vapors of the compound at ambient temperature. The only toxic sign observed was mild lethargy.

It is advised that repeated or prolonged skin contact be avoided. Remove with soap and water.

In case of accidental eye contact flush out with water. If irritation persists consult a physician.

For comparative purposes, I am tabulating the results of this study, Pydraul 230 with those of Pydraul 312 and 135. The table is attached.

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WNH/mah
Enclosure: Copy of report to Mr. Davidson

MONS 098025