4-70-87

William H. Hunt - Medical

September 22, 1970

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MCS-1007 Pydraul F-9A
(Amendment 1)
Acute Toxicity Screen

P. D. Fowlkes

SUMMARY

Acute Oral LD_{50} - Rats - Mixed Sex - Undiluted.
8100 Mg/kg. Classed as practically non-toxic.

Acute Skin Absorption Minimal Lethal Dose - Rabbit - Mixed Sex - Undiluted. >2000 <3160 mg/kg. Classed as slightly toxic.

Skin Irritation - Rabbit - Clipped Intact Skin - Mixed Sex - Undiluted.
Classed as a mild irritant. Score 3/8.

Eye Irritation - Rabbit - Undiluted.
Classed as a slight irritant. Score 10/110.

Vapor Inhalation - Rat - 6 hours - Ambient Temperature.
Classed as slightly toxic.

Interpretation
The undiluted sample was classed as practically non-toxic when administered orally to rats. Most deaths occurredin 3-4 days.

The undiluted sample was classed as slightly toxic when applied to the clipped intact skin of rabbits. Most deaths occurred in 6 to 9 days. In the survivors there was reduced appetite and activity for 5-10 days.

The undiluted sample produced slight redness and slight swelling 48 hours after removal of the sample from the skin. There was slight drying effect of the skin and the skin scaled off in 7 to 10 days.

There was slight discomfort immediately after instillation of the undiluted sample into the eye. At 1 hour of contact there was slight redness and barely perceptible swelling. At 24 hours of contact the swelling had disappeared.

The only toxic sign from vapor inhalation was reduced appetite and activity for 1 to 2 days.

This product does not appear to require special handling.

In case of skin contact, wash off with soap and water.

In case of eye contact, flush out with water. The initial contact may cause smarting , but the irritation experienced should be less than that from a 10% solution of toilet soap.

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