TOXICITY INFORMATION ON: PYDRAUL® 50E hydraulic fluid

When PYDRAUL 50E was administered undiluted, the rat acute oral LD_{50} was greater than 15.8 grams/kilogram (the highest dosage tested). When held in continuous 24-hour contact with rabbit skin, the highest dosage tested (7.94 grams/kilogram) was non-lethal. Thus, PYDRAUL 50E is considered to be practically non-toxic by ingestion in single doses and by single dermal applications.

When PYDRAUL 50E was instilled into the conjunctival sac of the rabbit eye, a slight degree of irritation resulted. The average maximum score one hour after treatment was 6.0 on a scale of 110.0. All eyes had regained a normal appearance 72 hours after dosing.

Slight irritation was observed following 24-hour contact of undiluted PYDRAUL 50E with intact rabbit skin. The Primary Irritation Index was 1.0 on a scale of 8.0.

PYDRAUL 50E has a negligible vapor pressure at room temperature and is not expected to present a significant vapor inhalation hazard under ambient conditions. Rats were exposed to air saturated with PYDRAUL 50 vapor (<0.1 mg/l) for 6 hours. There were neither mortalities nor untoward effects during the exposure or subsequent 14-day observation period.

Adult hens were dosed orally with 10 grams/kilogram of PYDRAUL 50E twice daily for 3 consecutive days. This procedure was repeated 21 days later for a total dosage of 120 grams/kilogram. Daily observation did not detect any apparent impairment of neuromuscular coordination of the treated hens. When tissues were examined 3 weeks after the second series of doses, there was neither gross nor microscopic evidence of demyelination in brain, spinal cord or peripheral nerve.

HANDLING PRECAUTIONS

PYDRAUL 50E appears to possess no acute toxicologic properties which would require special handling other than the good hygienic practices employed with any industrial chemical.

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The above information is based upon studies conducted for Monsanto Company. It is believed to be correct, and it is supplied to others upon the condition that the persons receiving it shall make their own determination of its suitability for their purposes. No warranty is expressed or implied regarding the accuracy of this information or the results to be obtained from its use.

Inquiries regarding this information are to be referred to the Corporate Medical Department, 800 N. Lindbergh, St. Louis, Mo. 63166, (314) 694-1000.

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