TOXICITY INFORMATION ON: PYDRAUL® 230C

TOXICITY

When PYDRAUL 230C was administered in single oral or dermal doses to rats and rabbits, respectively, the highest dosages tested (15.8 grams/kilogram and 7.94 grams/kilogram, respectively) were found to be non-lethal. Thus, PYDRAUL 230C is considered to be practically non-toxic by ingestion in single doses and by single dermal applications.

A slight degree of irritation resulted when 0.1 ml of undiluted PYDRAUL 230C was placed into the conjunctival sac of the rabbit eye. The average maximum score, recorded 1 hour after treatment, was 6.0 on a scale of 110.0. All eyes had regained a normal appearance 48 hours after dosing.

When undiluted PYDRAUL 230C was held in continuous 24-hour contact with intact rabbit skin, a slight degree of irritation resulted. The average maximum score was 1.3 on a scale of 8.0.

Rats were exposed to a stream of air which was passed through PYDRAUL 230C and led directly into the experimental chamber. Due to its low volality, there was essentially no vaporization of test material and the animals survived both the 6-hour exposure and the subsequent 10-day observation periods without observable effects. Consequently, because PYDRAUL 230C has a negligible vapor pressure at room temperature, it is not expected to present an inhalation hazard under ambient conditions.

Repeated insult patch testing (15 serial applications and a challenge) of 56 human volunteers with undiluted PYDRAUL 230C produced no skin changes typical of a primary skin irritant nor a sensitizer. Changes compatible with the criteria of a fatiguing agent were observed in 3 out of 56 subjects.

HANDLING PRECAUTIONS

This product 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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