cc: Frank Calkins - B2SE

May 3, 1972

Mr. George Reamer
Safety Director
Inmont Corporation
837 Buckingham
Toledo, Ohio 43692

TOXICITY

Dear Mr. Reamer:

This is in response to your request for toxicity information on Terminol FR-1. The acute toxicity of this material to rats is approximately 9 g/kg, which gives it a very low order of toxicity.

Skin contact with Terminol FR-1 at normal temperatures does not present a hazard in terms of immediate or subsequent systemic effects if normal personal hygiene practices are followed. In other words, if there is massive skin exposure workmen should within a reasonable time remove contaminated clothing and bathe thoroughly. Repeated or prolonged skin contact should be avoided in order to prevent possible irritation of the skin from its defatting action.

The maximum allowable concentration of Therminol FR-1 for an eight-hour day is 1 mg/cu. meter. The relevance of this figure is that it can rarely be reached at ambient temperatures unless it is an extremely large exposure in a small confined space where there is no change of air. In the ordinary working environment when the material is not heated there is no hazard from the inhalation point of view.

The loss of fluid at a high temperature or by being sprayed onto heated surfaces as a result of broken lines presents a hazard. However, here the decomposed products are so irritating that the workers do not remain in a contaminated atmosphere without respirators or gas masks. In those instances where breaks have occurred exposure to workers long enough to shut off the system and evacuate the premises until it has cooled down has not resulted in any ill effects.

If you have any further questions, please let me know.

Sincerely,

DSW 018908

REC'D MAY 1972

R. Emmet Kelly, M. D.

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