5/10/62 4:45p.m. 1-0-744.00

MR. R. G. PASTORINO
MONSANTO
EVERETT, MASS.

REGARDING PYDRAUL A200 VAPORS AND MAGNESIUM CASTING COMPANY, HYDE PARK, MASS., THE MAINTENANCE MAN SHOULD WEAR A PROTECTIVE MASK WHILE EXPOSED TO VAPORS FROM HOT PYDRAUL. THE APPROPRIATE EQUIPMENT WOULD BE A RESPIRATOR EQUIPPED WITH AN ORGANIC VAPOR CARTRIDGE APPROVED BY U. S. B
BUREAU OF MINES FOR ORGANIC VAPORS. NO CHLORINE GAS IS EMITTED. WE WOULD NOT EXPECT THE TEMPERATURES TO BE SO HIGH THAT PYDRAUL A200 WOULD BE DECOMPOSED. IF THERE WERE DECOMPOSITION, THE VAPORS OR GASES WOULD INCLUDE HYDROCHLORIC ACID, PHENOLICS, CARBON MONOXIDE, AND ALDEHYDES. THESE WOULD BE THE SAME AS THE DECOMPOSITION OF MANY

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COMMONLY USED ORGANIC CHEMICALS. IT IS DOUBTFUL THAT THE MAINTENANCE MAN REPEATS HIS HALF-HOUR EXPOSURE FREQUENTLY ENOUGH FOR THE VAPORS TO HAVE AN ACCUMULATIVE EFFECT. AT THE SAME TIME, REPEATED AND PROLONGED INHALATION OF VAPORS ARISING FROM HOT PYDRAUL FLUID COULD HAVE AN ACCUMULATIVE EFFECT.

R. EMMET KELLY, M. D.
MONSANTO
MEDICAL DEPARTMENT

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