

MICHIGAN DEPARTMENT OF NATURAL RESOURCES

INTEROFFICE COMMUNICATION

July 8, 1993

TO: Hydrotreated light paraffinic distillate file  
(CAS # 64742-55-8)

FROM: Gary Butterfield

SUBJECT: ITSL for hydrotreated light paraffinic distillate

No toxicity data was able to be located for this CAS number. The EPA ToSCA inventory describes this material as 'A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finish oil with a viscosity of less than 100 SUS at 100 degrees F. It contains a relatively large proportion of saturated hydrocarbons.'

This material could be considered to be subset of white mineral oil (CAS # 8042-47-5), which is described by ToSCA as being saturated hydrocarbons having carbon numbers in the range of C15 through C50. There is an ACGIH TLV, NIOSH REL and OSHA PEL of 5 mg/m<sup>3</sup> for mineral oil. Due to hydrotreated light paraffinic distillate's similarity to white mineral oil, the ITSL for hydrotreated light paraffinic distillate (CAS # 64742-55-8) could be based on 1 % of the TLV for mineral oil. Thus the ITSL for hydrotreated light paraffinic distillate (CAS # 64742-55-8) will be established as 50 ug/m<sup>3</sup> with a 8 hour averaging time.