

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

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INTEROFFICE COMMUNICATION

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TO: Hydrotreated heavy naphthenic distillate file (CAS # 64742-52-5)  
FROM: Gary Butterfield  
SUBJECT: Screening level for Hydrotreated heavy naphthenic distillate  
DATE: June 4, 2007

Hydrotreated heavy naphthenic distillate had an ITSL of 16 ug/m<sup>3</sup> with annual averaging established in 1995 which was based on a rat LD50. The ITSL is being changed to match the generic oil mist ITSL of 50 ug/m<sup>3</sup> with 8 hour averaging, because the TLV based screening level is higher in the screening level setting priority than a screening level based on an LD50.

Hydrotreated heavy naphthenic distillate is described in EPA's ToSCA inventory as being a complex combination of hydrocarbons produced by treating a petroleum fraction with hydrogen to produce hydrocarbons having carbon numbers in the range of C20 to C50. This material is a finished oil which contains relatively few normal paraffins and has a viscosity of less than 100 SUS at 100 degrees F. This description is considered in agreement with the mineral oil mist description for the ACGIH TLV.

No new literature search looking for new toxicity data was conducted at this time.