

Michigan Department of Natural Resources

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Interoffice Communication  
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8-7-92

To : Hydrogen Peroxide File (CAS #7722-84-1)

From : Mary Lee Hultin

Subject : ITSL for Hydrogen Peroxide

The ACGIH TLV for hydrogen peroxide is 1.4 mg/m<sup>3</sup>.

Based on the July 1992 Interim Process for Developing Screening Levels, the ITSL for this material is based on one percent of the ACGIH TLV. Under the Interim Process, the ITSL will continue to be based on 1 % of TLV if there is no EPA RfC, there is no EPA RfD or it is not appropriate to convert the RfD to an ITSL, the TLV is based on data other than acute exposure data, the TLV is based on health effects information, and the TLV is not included on the list of TLV's intended to be updated.

Therefore the ITSL is calculated by :

$ITSL = 0.01 \times (1.4 \text{ mg/m}^3) = 14 \text{ ug/m}^3$  with an 8 hour averaging time.