MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

INTEROFFICE COMMUNICATION

November 10, 1998

TO: File for butadiene homopolymer (CAS #69102-90-5)

FROM: Cathy Simon, Supervisor, Toxics Unit, Air Quality Division

SUBJECT: Change in the Initial Threshold Screening Level (ITSL)

The ITSL for butadiene homopolymer has been changed from 0.04 ug/m^3 to 0.1 ug/m^3 based on an annual averaging time.

The change in the ITSL was made due to a revision in the State's air toxic rules which became effective on November 10, 1998. Previously, the ITSL had been set pursuant to Rule 232(i). This rule sets the ITSL at a default value of 0.04 ug/m^3 (annual average) when no specific data are available to determine an ITSL. The November 10, 1998 revisions to the rules changed this default ITSL to a value of 0.1 ug/m^3.

No updated review of the literature has been done since the ITSL was originally set at a value of 0.04 ug/m^3, to determine if new data are available for this compound.

CAS:SLB

MICHIGAN DEPARTMENT OF NATURAL RESOURCES

INTEROFFICE COMMUNICATION

SEPTEMBER 21, 1994

TO: File for Butadiene Hompolymer (CAS# 69102-90-5)

FROM: Michael Depa, Toxics Unit

SUBJECT: Screening Level Determination

The initial threshold screening level (ITSL) for butadiene hompolymer is 0.04 $\mu g/m^3$ based on an annual averaging time.

The following references or databases were searched to identify data to determine the ITSL: IRIS, RTECS, ACGIH Threshold Limit Values, NIOSH Pocket Guide to Hazardous Chemicals, Environmental Protection Bureau Library, IARC Monographs, CAS Online (1967-April 16, 1994), National Library of Medicine, Health Effects Assessment Summary Tables, and NTP Status Report. Review of these sources found that EPA has not established a RfC or RfD for butadiene hompolymer. Occupational exposure limits were not available. There was no data meeting the minimum criteria for establishing an RfC or RfD. There was no inhalation data available. Pursuant of Rule 232(1)(i) the ITSL for butadiene hompolymer is 0.04 $\mu g/m^3$ based on an annual averaging time.