

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

INTEROFFICE COMMUNICATION

February 6, 2001

TO: Coumarone indene resin file (CAS #68132-02-5)
FROM: Gary Butterfield
SUBJECT: Screening Level for Coumarone indene resin

The screening level for coumarone indene resin is being set at 0.1 $\mu\text{g}/\text{m}^3$ with annual averaging.

The following references or databases were searched to identify data to determine the screening level: U.S. Environmental Protection Agency (EPA) Integrated Risk Information System (IRIS), National Institute for Occupational Safety and Health (NIOSH) Registry for Toxic Effects of Chemical Substances (RTECS), American Conference of Governmental and Industrial Hygienists (ACGIH) Threshold Limit Values (TLVs), Michigan Department of Environmental Quality (DEQ) library, International Agency for Research on Cancer (IARC) Monographs, Chemical Abstract Service (CAS) Online (1967- Jan., 2001), National Library of Medicine (NLM) - Toxline, and National Toxicology Program (NTP) Status Report.

Adco Products, Permit 67-92A, resulted in a request for development of a screening level for this material.

Coumarone indene resin is a solid material. Therefore, it's emissions are a potential concern for meeting particulate matter standards. This screening level of 0.1 $\mu\text{g}/\text{m}^3$ is well below the NAAQS PM standards.

A January 25, 2001 CAS and NLM literature search could not find any toxicity data for this material. This material is also not contained in any of the standard secondary toxicity references - RTECS, EPA's IRIS, ACGIH, NTP, ATSDR, etc. The permit applicant provided a copy of the MSDS which identified the manufacturer of the material as being Neville Chemical Company of Pittsburgh Pa, phone number (412) 331-4200. The company's representative, Stan Clark, said that they have been producing this resin for over 20 years, and they have no toxicity information available - not even an LD50.

Due to a lack of available toxicity data the screening level for coumarone indene resin is being set at 0.1 $\mu\text{g}/\text{m}^3$ with annual averaging, under R232(i).

GB:DB

cc: Cathy Simon, AQD
Mary Lee Hultin, AQD
Sheila Blais, AQD