Monsanto

MEDICAL DEPARTMENT BULLETIN

Data Sheet EC-202

NEW PRODUCTS

Final Environmental Compatibility Assessment

As provided for in corporate procedures (D-II-8 in Management Guide and Medical Department Bulletin EC-201) the division in the company responsible for a new product must obtain a final environmental evaluation before commercialization.

To obtain this evaluation, the individual responsible for the product reviews the Preliminary Environmental Compatibility Assessment (EC-201) form, consults the literature, obtains the best answers he can by consultation with others, and completes Data Sheet EC-202. He sends this to the Medical Director along with a statement of his principal sources of information, the intended product uses and a request for a final environmental evaluation with intent to commercialize.

The Medical Director will respond as to the environmental acceptability, restrictions, or additional information needed, if any, or if unacceptable, the reasons why.

This data sheet applies to both
MCS 1546 and MCS 1547

Our principal sources of information are: (1) Industrial Biotest Laboratories Reports numbered B9888, C9885 and A9380. These reports cover toxicity tests (mostly subacute) on the Aroclors, including Aroclor 1221. We have assumed that the monochlorobiphenyls are equivalent to or less toxic than Aroclor 1221. (2) A Memo dated December 10, 1971 from G. S. Lavinskas to J. F. Herber titled "Aroclor 1221 and MCS 1109". This gives acute toxicity and irritation data for these two compositions. MCS 1109 is mostly monochlorobiphenyl. (3) A memo dated October 27, 1971 from W. H. Hunt to P. D. Fowlkes titled "MCS 1109 (Monochlorobiphenyl) Lot KA 801 - Acute Toxicity Screen". This gives acute toxicity, irritation, and vapor inhalation data. (4) A memo dated June 15, 1973 from C. Paton to Dr. R. E. Kelly titled "Dow/Monochlorobiphenyl". This gives Dow Co. specifications on phenylphenols and other pertinent information. (5) A memo dated November 3, 1971 from E. S. Tucker to W. R. Richard titled "MCS 1109". This memo discusses the environmental and physiological impact of monochlorobiphenyl. (6) A memo dated July 19, 1973 from E. M. Emery to W. R. Richard titled "Dow/Monochlorobiphenyl". This memo presents some Dow and Monsanto analytical work on MCS 1546 and MCS 1547. Copies of the above five memos (but not the reports) are appended to this request.

We have supplied Dow with small samples of monochlorobiphenyl and will shortly provide them with a large (20 drums) sample of MCS 1547. At this point, we need a final environmental evaluation from the Medical Department.

D. R. Cova

Js