

SEARCH FOR POTENTIAL CARCINOGENS

Three Category I substances were examined to identify material specifications, parts and nonproduction uses. Existing data bases containing Product, Manufacturing and Purchasing information were found to be inadequate for complete identification of all uses of these substances. In the absence of one reliable system, the detailed steps in Figure 16 were undertaken.

For production materials, each design responsible PEO reviewed the material/usage list for completeness and established a list of parts and bulk materials thought to contain the subject substances. These lists were returned to Engineering Staff. E&RS is consolidating the lists to provide them, along with the approved source and material identifications, to Purchasing and Supply Staff for supplier contact to determine usage and substitutability. Nonproduction materials were identified by similar methods. The production asbestos list is with buyers; benzene and hexavalent chromium compounds are under PEO review.

MATERIALS AND TOXICOLOGY SYSTEM (MATS)

To overcome the deficiencies of manual and semi-computerized search methods, the Materials and Toxicology System (MATS), under development, will consolidate four systems: The CATALOG of Hazardous Materials (P&O Staff); the Engineering Material Approved Source List (E&R Staff); the Nonproduction Material Approved Source List (Mfg. Staff); and the Environmental & Process Engineering Review System (Mfg. Staff).

These Systems can be linked with some manual effort to search for uses of potential carcinogens in Company products as follows and diagrammed in Figure 17:

1. Materials containing Category I chemical compounds can be identified in the CATALOG.
2. Similar materials and the specifications to which they are approved can be found in the Approved Source Lists.
3. For Production materials, parts lists can be obtained from the engineering release system via the Engineering Material Specification.
4. With the parts list, Purchasing can determine quantity used and Manufacturing Engineering can determine processing methods.

Other functions of MATS include Approved Source Lists for production and nonproduction materials, Michigan DNR Critical Materials usage reporting, CATALOG of Hazardous Materials for plant physicians and Hazardous Material Information Center, verification that a substance is on the Toxic Substances Control Act (TSCA) inventory, and listing of hazardous material usage and precautions for each plant.

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