

populations and conducting studies to answer specific human health questions.

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TABLE 1.—FINAL SUBSTANCE—SPECIFIC PRIORITY DATA NEEDS (PDNs) FOR THIRD SET OF 10 PRIORITY HAZARDOUS SUBSTANCES

Substance	PDN ID	Priority data needs
Asbestos	37A	Epidemiologic studies of individuals occupationally exposed to asbestos levels lower than those experienced before the institution of current occupational standards governing the use of asbestos, but higher than current levels in the general population. These studies should be performed in conjunction with the immunotoxicity studies.
	37B	Immunotoxicity studies of individuals occupationally exposed to asbestos.
	37C	Development of human and rat lung retention models to aid in extrapolating between rat and human data.
	37D	Improved analytical methods for screening samples and determining the chemical structure of asbestos fibers. Also, techniques are needed to normalize studies in which different analytical methods were employed.
	37E	Exposure levels, fiber size distribution, and asbestos fiber type in areas with natural geologic deposits of friable asbestos and at hazardous waste sites. Also, techniques for estimating air levels of asbestos from soil concentrations and activity scenarios.
	37F	Exposure levels in humans living near hazardous waste sites and in other populations, such as humans living in areas with naturally high levels of friable asbestos.
	37G	Potential candidate for subregistry of exposed persons.
Benzidine	38A	Dose-response data for acute- and intermediate-duration exposure via the oral route (the study of intermediate-duration exposure should include evaluation of reproductive and endocrine organ histopathology, lymphoid tissues histopathology as well as examination of relevant blood components, and nervous system histopathology).
	38B	Exposure levels in humans living near hazardous waste sites.
	38C	Exposure levels in children.
	38D	Potential candidate for subregistry of exposed persons.
Chlorinated dibenzo-p-dioxins (CDDs)	39A	Studies via oral exposure designed to assess childhood susceptibility.
	39B	Comparative toxicokinetic studies examining the relative absorption of CDDs across exposure routes and the relative contribution of each exposure route to total body burdens.
	39C	Exposure levels in humans living near hazardous waste sites.
	39D	Exposure levels in children.
1,2-Dibromoethane	40A	Dose-response data in animals for acute- and intermediate-duration exposure by the oral route (the study of intermediate-duration exposure should include evaluation of neuropathology and observation for overt signs of neurotoxicity).
	40B	Multigeneration reproductive toxicity studies via oral exposure.
	40C	Developmental toxicity studies via oral exposure.
	40D	Immunotoxicity battery studies via oral exposure.
	40E	Exposure levels in humans living near hazardous waste sites and in other populations, such as workers exposed to 1,2-dibromoethane.
	40F	Exposure levels in children.
	40G	Potential candidate for subregistry of exposed persons.
1,2-Dichloroethane*	41A	Dose-response data in animals for acute-duration (14-day) exposure by the inhalation route, including a comparison of young and adult animals.
	41B	Dose-response data in animals for acute-duration (14-day) exposure by the oral route, including a comparison of young and adult animals.
	41C	Dose-response data in animals for intermediate-duration exposure by the inhalation route (the study should be performed in conjunction with the neurotoxicology battery of tests).
	41D	Neurotoxicology battery of tests following inhalation exposure.
	41E	Neurotoxicology battery of tests following oral exposure.
	41F	Dose-response data in animals for chronic-duration exposure by the oral route.
	41G	Developmental toxicity data for inhalation exposure (assessment of developmental cardiotoxicity and neurotoxicity).
	41H	Developmental toxicity data for oral exposure (assessment of developmental cardiotoxicity and neurotoxicity).
	41I	Additional analyses and studies for comparative toxicokinetics across species, ages, routes, and durations.
	41J	Children's susceptibility.
	41K	Exposure levels in humans living near hazardous waste sites.
1,1-Dichloroethene*	41L	Exposure levels in children.
	41M	Potential candidate for subregistry of exposed persons.
	42A	Dose-response data in animals for acute-duration exposure by the inhalation route.
	42B	Dose-response data in animals for chronic-duration exposure by the inhalation route.
	42C	Dose-response data in animals for acute- and intermediate-duration exposure by the oral route.
	42D	Carcinogenicity studies in two species following inhalation exposure.