

manufacturing, processing, and use of the substance may present an unreasonable risk. EPA has determined, however, that use of the PMN substance other than as described in the PMN may cause serious health effects. Based on this information the PMN substance meets the concern criteria at § 721.170(b)(3)(ii).

Recommended testing: EPA has determined that a 90-day subchronic oral toxicity study in rodents with attention to pathology of the reproductive organs (OPPTS 870.3100 test guideline), a reproduction fertility effects study (OPPTS 870.3800 test guideline), and a combined chronic toxicity/carcinogenicity study (OPPTS 870.4300 test guideline) would help to characterize the health effects of the substance.

CFR citation: 40 CFR 721.2673.

PMN Number P-00-0045

Chemical name: (generic) Benzenediazonium, [(((substituted) azo)phenyl)sulfonyl]amino]-, coupled with aminophenol, diazotized aminobenzoic acid, diazotized (substituted) benzenesulfonic acid and naphthalenol.

CAS number: Not available.

Basis for action: The PMN substance will be used as described in the PMN. Based on submitted test data, EPA has identified health concerns for methemoglobinemia. Since significant worker exposure is unlikely when used as described in the PMN, EPA has not determined that the proposed manufacturing, processing, and use of the substance may cause significant adverse effects. EPA has determined, however, that domestic manufacture may result in serious health effects. Based on this information the PMN substance meets the concern criteria at § 721.170(b)(3)(ii).

Recommended testing: EPA has determined that a 90-day subchronic oral toxicity study in rodents (OPPTS 870.3100 test guideline) would help to characterize the human health effects of the PMN substance.

CFR citation: 40 CFR 721.5286.

PMN Number P-00-0067

Chemical name: (generic) Alkyl heteropolycyclic-aniline.

CAS number: Not available.

Basis for action: The PMN substance will be used as an industrial intermediate. Based on test data and on structural analogy to anilines, EPA is concerned that toxicity to aquatic organisms may occur at a concentration as low as 1 ppb of the PMN substance in surface waters. Since significant environmental exposure is not expected as the substance is not released to

surface water above 1 ppb as described in the PMN, EPA has not determined that the proposed manufacturing, processing, and use of the substance may present an unreasonable risk. EPA has determined, however, that other uses of the substance resulting in release to surface above 1 ppb may cause significant adverse environmental effects. Based on this information the PMN substance meets the concern criteria at § 721.170(b)(4)(i) and (b)(4)(ii).

Recommended testing: EPA has determined that a daphnid chronic toxicity test (OPPTS 850.1300 test guideline (public draft)), a fish early-life stage toxicity test (OPPTS 850.1400 test guideline (public draft)) conducted with flow-through methods and measured concentrations, dilution water hardness < 180.0 mg/L as CaCO₃, and a Porous Pot (OPPTS 835.3220 test guideline) would help to characterize the environmental effects.

CFR citation: 40 CFR 721.4136.

PMN Number P-00-0094

Chemical name: (generic) Salt of a substituted sulfonated aryl azo compound.

CAS number: Not available.

Basis for action: The PMN substance will be used as a colorant for coating compositions. EPA has identified health concerns for testicular effects, blood effects, and liver toxicity based on submitted test data. Since significant worker exposure is unlikely, when the substance is used as described in the PMN, EPA has not determined that the proposed manufacturing, processing, and use of the substance may present an unreasonable risk. EPA has determined however, that domestic manufacture could result in exposures which may cause serious health effects. Based on this information the PMN substance meets the concern criteria at § 721.170(b)(3)(i).

Recommended testing: EPA has determined that a 90-day subchronic oral toxicity study in rodents (OPPTS 870.3100 test guideline) would help to characterize the human health effects of the PMN substance.

CFR citation: 40 CFR 721.9597.

PMN Number P-00-0108

Chemical name: (generic) Alkoxyamino-alkyl-coumarin.

CAS number: Not available.

Basis for action: The PMN substance will be used as a chemical tracer. Based on structural analogy to coumarins, EPA has identified health concerns for developmental toxicity and carcinogenicity. Since significant worker exposure is unlikely when the substance is used as described in the

PMN, EPA has not determined that the proposed manufacturing, processing, and use of the substance may present an unreasonable risk. EPA has determined, however, that domestic manufacture could result in exposures which may cause serious health effects. Based on this information the PMN substance meets the concern criteria at § 721.170(b)(3)(ii) and (b)(1)(i)(C).

Recommended testing: EPA has determined that a 90-day subchronic oral study in rodents (OPPTS 870.3100 test guideline) and a prenatal developmental toxicity study (OPPTS 870.3700 test guideline) would help to characterize the human health effects of the PMN substance.

CFR citation: 40 CFR 721.2155.

PMN Number P-00-0202

Chemical name: (generic) Reaction product of substituted aromatic diol, formaldehyde and alkanolamine, propoxylated.

CAS number: Not available.

Basis for action: The PMN substance will be used as foam insulation. Based on structural analogy to aliphatic amines, EPA is concerned that toxicity to aquatic organisms may occur at a concentration as low as 10 ppb of the PMN substance in surface waters. Since significant environmental exposure is not expected, as the substance is not released to surface waters, as described in the PMN, EPA has not determined that the proposed manufacturing, processing, and use of the substance may present an unreasonable risk. EPA has determined, however, that other uses of the substance resulting in release to surface water may cause significant adverse environmental effects. Based on this information the PMN substance meets the concern criteria at § 721.170(b)(4)(ii).

Recommended testing: EPA has determined that a fish acute toxicity study (OPPTS 850.1075 test guideline (public draft)), a daphnid acute toxicity study (OPPTS 850.1010 test guideline (public draft)), and an algal toxicity study (OPPTS 850.5400 test guideline (public draft)) would help to characterize the environmental effects of the PMN substance. All tests should be conducted with static methods and nominal concentrations, dilution water total organic carbon TOC < 2.0 mg TOC/L dilution water hardness < 180.0 mg/L as CaCO₃, and stock solution adjusted to pH 7.0.

CFR citation: 40 CFR 721.8085.

PMN Number P-00-0330

Chemical name: Oxirane, [((1R,2S,5R)-5-methyl-2-(1-methylethyl)cyclohexyl)oxy]methyl]-.

CAS number: 249297-16-3.