

static method and nominal concentrations.

*CFR citation:* 40 CFR 721.5253.

**PMN Number P-99-1342**

*Chemical name:* 2-

Naphthalenecarboxylic acid, 4,4'-methylenebis [3-hydroxy-, zinc salt  
*CAS number:* 235083-88-2.

*Basis for action:* The PMN substance will be used as described in the PMN. Based on structural analogy to phenols, anionic surfactants, and inorganic metal salts, EPA is concerned that toxicity to aquatic organisms may occur at a concentration as low as 3 ppb of the PMN substance in surface waters. Since significant environmental exposure is not expected as the PMN substance is not released to surface water above 10 ppb, as described in the PMN, EPA has not determined that the proposed manufacturing, processing, and use of the PMN substance may present an unreasonable risk. EPA has determined, however, that other uses of the PMN substance resulting in release to surface waters above 10 ppb 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), a daphnid acute toxicity study (OPPTS 850.1010 test guideline), and an algal toxicity study (OPPTS 850.5400 test guideline) would help to characterize the environmental effects of the PMN substance. All studies should use the static method and nominal concentrations.

*CFR citation:* 40 CFR 721.5252.

**PMN Number P-00-7**

*Chemical name:* D-Glucuronic acid, polymer with 6-deoxy-L-mannose and D-glucose, acetate, calcium magnesium potassium sodium salt.

*CAS number:* 125005-87-0.

*Basis for action:* The PMN substance will be used as an oilfield drilling fluid, an oilfield spacer fluid, in oilfield cementing, in cementitious packaged products, in concrete applications, and in foam applications. Based on structural analogues and submitted test data, EPA has identified concerns for lung effects from inhalation exposure to the PMN substance. Since significant inhalation exposure is unlikely when used as described in the PMN, EPA has not determined that the proposed manufacturing, processing, and use of the PMN substance may present an unreasonable risk. EPA has determined, however, that use of the PMN substance other than as described in the PMN may result in significant human exposure. Based on this information, the PMN

substance meets the concern criteria at § 721.170(b)(3)(i) and (b)(3)(ii).

*Recommended testing:* EPA has determined that the 90-day inhalation toxicity study with a 60-day holding period (OPPTS 870.3465 test guideline) would help to characterize the human health effects of the PMN substance. Attention should be given to the lungs, including histopathology of the lungs (inflammation, epithelial hyperplasia, and fibrosis), (BAL) analysis for markers of lung injury, and lung burden analysis for clearance of the test material (EPA-748-R-96-001). The neurotoxicity components and examination of organs other than the lungs are not required in the 90-day study.

*CFR citation:* 40 CFR 721.2076.

**PMN Number P-00-368**

*Chemical name:* (generic)

Benzenesulfonamide, alkylphenylsubstitutedphenyl substituted carbonyl-

*CAS number:* Not available.

*Effective date of section 5(e) consent order:* March 28, 2001.

*Basis for section 5(e) consent order:* The Order was issued under section 5(e)(1)(A)(i) and (e)(1)(A)(ii)(I) of TSCA based on a finding that the PMN substance may present an unreasonable risk of injury to human health and the environment.

*Recommended testing:* EPA has determined that a subchronic inhalation toxicity study (OPPTS 870.3465) would help to characterize the potential health effects of the PMN substance. EPA has also determined that a fish chronic toxicity study (OPPTS 850.1400) and a daphnid chronic toxicity test (OPPTS 850.1300) would help to characterize potential environmental effects.

*CFR citation:* 40 CFR 721.1620.

**PMN Number P-00-636**

*Chemical name:* (generic) Alkylated nitroso-phenylenediamine.

*CAS number:* Not available.

*Basis for action:* The PMN substance will be used as a polymerization inhibitor. Based on test data for the PMN substance and analogy to structurally similar compounds, EPA has identified human health concerns for systemic effects, reproductive effects, and cancer from dermal exposure to the PMN substance. Since significant worker exposure is unlikely when the PMN substance is used as described in the PMN, EPA has not determined that the proposed manufacturing, processing, and use of the PMN substance may present an unreasonable risk. EPA has determined, however, that use of the PMN substance without dermal protection could result in worker exposures which may cause significant adverse human health

effects. Based on this information the PMN substance meets the concern criteria at § 721.170(b)(3)(i), (b)(3)(ii), and (b)(1)(i)(C).

*Recommended testing:* The Agency has determined that the results of a 2-generation reproduction/fertility effects study (OPPTS 870.3800 test guideline) and a carcinogenicity study (OPPTS 870.4200 test guideline) would help to characterize possible human health effects of the PMN substance.

*CFR citation:* 40 CFR 721.5935.

**PMN Number P-00-838**

*Chemical name:* (generic) Substituted alkyl sulfonamide.

*CAS number:* Not available.

*Basis for action:* The PMN substance will be used for a contained use in an article. Based on structural analogy to neutral organic compounds, 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 PMN substance is not released to surface waters above 1 ppb, EPA has not determined that the proposed processing and use of the PMN substance may present an unreasonable risk. EPA has determined, however, that releases to surface waters 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)(ii).

*Recommended testing:* The Agency has determined that the results of a fish chronic toxicity study (OPPTS 850.1400 test guideline) would help to characterize possible environmental effects of the PMN substance. This test should be conducted with flow-through conditions and measured concentrations.

*CFR citation:* 40 CFR 721.9572.

**PMN Number P-00-912**

*Chemical name:* (generic) Epoxy resin containing phosphorus.

*CAS number:* Not available.

*Basis for action:* The PMN substance will be used as described in the PMN. EPA has identified health concerns for carcinogenicity, reproductive toxicity in males, and developmental toxicity based on structural analogy to epoxides. EPA also identified health and environmental concerns because the PMN substance may be persistent, bioaccumulative, and potentially toxic based on physical/chemical properties of the PMN substance as described in the New Chemical Program's Persistent, Bioaccumulative, and Toxic (PBT) Category (64 FR 60194, FRL-6907-7, November 4, 1999). Since significant worker and environmental exposure is