

proposed 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:* The Agency has determined that the results of a fish acute toxicity test (OPPTS 850.1075 test guideline) and a fish acute toxicity mitigated by humic acid (OPPTS 850.1085 test guideline), and an activated sludge sorption/desorption isotherm test (OPPTS 835.1110 test guideline) would help to characterize environmental effects of the PMN substance.

*CFR citation:* 40 CFR 721.9078.

**PMN Number P-00-1220**

*Chemical name:* (generic) Phenol-biphenyl polymer condensate.

*CAS number:* Not available.

*Basis for action:* The PMN substance will be used as an electric molding. Based on structural analogy to phenols, 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 water, 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 any release of the PMN substance 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), a daphnid acute toxicity study (OPPTS 850.1010 test guideline), and an algal acute toxicity study (OPPTS 850.5400 test guideline) would help to characterize the environmental effects of the PMN substance.

*CFR citation:* 40 CFR 721.5713.

**PMN Number P-01-1**

*Chemical name:* (generic)

Chloroformate.

*CAS number:* Not available

*Basis for action:* The PMN substance will be used as an intermediate. Based on analogy to acid halides and neutral organic compounds, EPA is concerned that toxicity to aquatic organisms may occur at a concentration as low as 2 ppb of the PMN substance and 70 ppb of the PMN substance's hydrolysis product in surface waters. EPA has not determined

that the proposed manufacturing, processing, and use of the PMN substance may present an unreasonable risk as the PMN substance is not released to surface waters above 2 ppb. EPA has determined, however, that other uses of the PMN substance resulting in releases to surface waters above 2 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 hydrolysis study at 25 °C and pH 7 (OPPTS 835.2120 test guideline), a ready biodegradability study (OPPTS 835.3110 test guideline), a fish acute toxicity study (OPPTS 850.1075 test guideline), a daphnid acute toxicity study (OPPTS 850.1010 test guideline), and an algal acute toxicity study (OPPTS 850.5400 test guideline) would help to characterize the environmental effects of the PMN substance.

*CFR citation:* 40 CFR 721.3835.

**PMN Number P-01-7**

*Chemical name:* (generic)

Ethylenediaminetetraacetic acid mixed salt.

*CAS number:* Not available.

*Basis for action:* The PMN substance will be used as described in the PMN. EPA has identified concerns for reproductive toxicity in males and mutagenicity based on submitted test data, and carcinogenicity based on analogy to nitrilotriacetic acid. Since significant worker exposure is unlikely when the PMN substance is used as described in the PMN, EPA has not determined that the proposed processing and use of the PMN substance may present an unreasonable risk. EPA has determined, however, that domestic manufacture or use of the PMN substance in a powder form may cause serious health effects. Based on this information, the PMN substance meets the concern criteria at § 721.170(b)(3)(i) and (b)(1)(i)(C).

*Recommended testing:* EPA has determined that a prenatal developmental toxicity study by the oral route in two species (OPPTS 870.3700) and a carcinogenicity study in rats (OPPTS 870.4200) would help to characterize the human health effects of the PMN substance.

*CFR citation:* 40 CFR 721.2098.

**PMN Number P-01-9**

*Chemical name:* (generic) Halogenated arylsilane.

*CAS number:* Not available.

*Basis for action:* The PMN substance will be used as described in the PMN. EPA has identified 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 PBT Category. Also, based on structural analogy to neutral organics, EPA expects toxicity to aquatic organisms at surface water concentrations as low as 1 ppb. Since significant environmental exposure is not expected, as the PMN 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 PMN substance may present an unreasonable risk. EPA has determined, however, that 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 the results of the tiered testing as described in the New Chemicals Program's PBT Category would help to characterize the PBT properties of the PMN substance. EPA has determined that the results of a fish chronic toxicity study (OPPTS 850.1400), a daphnid chronic toxicity study (OPPTS 850.1300), and an algal toxicity study (OPPTS 850.5400) would help to characterize the environmental effects of the PMN substance. The fish and daphnid tests should be conducted with flow-through methods and measured concentrations. The algal test should be conducted with static methods and measured concentrations.

*CFR citation:* 40 CFR 721.9506.

**PMN Number P-01-22**

*Chemical name:* Propanoic acid, 2-(trimethoxysilyl)-, ethyl ester.

*CAS number:* 137787-41-8.

*Basis for action:* The PMN substance will be used as described in the PMN. Based on structural analogy to alkoxysilanes, 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 PMN substance is not released to surface waters 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).