

determined, however, that other uses of the PMN substance resulting in release to surface waters 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 Chemical Program's PBT Category would help to characterize the PBT properties of the PMN substance. EPA has also 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.

CFR citation: 40 CFR 721.5905.

PMN Number P-01-459

Chemical name: Chromate(3-), bis[3-[[6-amino-1,4-dihydro-2-[[[4-[(2-hydroxy-1-naphthalenyl)azo]phenyl]sulfonyl]amino]-4-(oxo-.kappa.O)-5-pyrimidinyl]azo-.kappa.N1]-4-(hydroxy-.kappa.O)-5-nitrobenzenesulfonato(3-)]-, trisodium. **CAS number:** 178452-72-7

Basis for action: The PMN substance will be used as an acid dye for dyeing leather. Based on submitted test data, EPA has identified human health concerns for blood, liver, and spleen effects. Since significant worker exposure is unlikely, as inhalation exposure is not expected for the use 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 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). **Recommended testing:** EPA has determined that a 90-day inhalation study with a 60-day holding period (OPPTS 870.3465 test guideline) would help to characterize the human health effects of the PMN substance.

CFR citation: 40 CFR 721.8940.

PMN Number P-01-460

Chemical name: Chromate(3-), bis[3-[[6-amino-1,4-dihydro-2-[[[4-[(2-hydroxy-1-naphthalenyl)azo]phenyl]sulfonyl]amino]-4-(oxo-.kappa.O)-5-pyrimidinyl]azo-.kappa.N1]-4-(hydroxy-.kappa.O)-5-nitrobenzenesulfonato(3-)]-, sodium triethanolamine salts. **CAS number:** 327177-98-0.

Basis for action: The PMN substance will be used as an acid dye for dyeing leather. Based on submitted test data,

EPA has identified human health concerns for blood, liver, and spleen effects. Since significant worker exposure is unlikely, as inhalation exposure is not expected for the use 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 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).

Recommended testing: EPA has determined that a 90-day inhalation study with a 60-day holding period (OPPTS 870.3465 test guideline) would help to characterize the human health effects of the PMN substance.

CFR citation: 40 CFR 721.8950.

PMN Numbers P-00-992 and P-01-471

Chemical name: (generic) Phosphorous modified epoxy resin.

CAS number: Not available.

Basis for action: The PMN substance will be used as described in the PMN. Based on structural analogy to epoxides, EPA is concerned that toxicity to aquatic organisms may occur at a concentration as low as 6 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 6 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 use of the PMN substance other than as described in the PMN could cause releases to surface waters above 6 ppb which 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 chronic toxicity study (OPPTS 850.1400 test guideline), a daphnid chronic toxicity study (OPPTS 850.1300 test guideline), and an algal toxicity study (OPPTS 850.5400 test guideline) would help to characterize the environmental effects of the PMN substance. The fish and daphnid tests should be conducted with flow-through conditions and measured concentrations. The algae test should be conducted with static conditions and nominal concentrations.

CFR citation: 40 CFR 721.3135.

PMN Number P-01-481

Chemical name: (generic) Polyurethane polymer.

CAS number: Not available.

Basis for action: The PMN substance will be used as described in the PMN. Based on physical/ chemical properties and submitted test data, EPA has identified health concerns for inhalation exposure. Since significant inhalation exposure to workers 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 other than that 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)(i). **Recommended testing:** The Agency is not recommending further toxicity testing to evaluate potential health effects. However, additional information on human exposures to the PMN substance would help to characterize potential health risks.

CFR citation: 40 CFR 721.9959.

PMN Number P-01-561

Chemical name: (generic) Modified phenolic resin.

CAS number: Not available.

Basis for action: The PMN substance will be used as described in the PMN. Based on structural analogy to polyphenols, EPA is concerned that toxicity to aquatic organisms may occur at a concentration as low as 20 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 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 any release to surface waters 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.

CFR citation: 40 CFR 721.5908.

PMN Number P-01-573

Chemical name: (generic) Aromatic aldehyde phenolic resin

CAS number: Not available.

Basis for action: The PMN substance will be used as described in the PMN. Based on structural analogy to phenols, EPA is concerned that toxicity to