

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 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 oral subchronic toxicity study in rats (OPPTS 870.3100 test guideline), with attention to pathology of the reproductive organs, and a carcinogenicity study in rats (OPPTS 870.4200 test guideline) would help to characterize the human health effects of the PMN substance.

CFR citation: 40 CFR 721.7250.

PMN Number P-01-144

Chemical name: Propanamide, N-(2-hydroxyethyl)-3-methoxy-.

CAS number: 35544-45-7.

Basis for action: The PMN substance will be used as an organic stripper additive. EPA has identified health concerns for the solvent properties of 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 other than as described in the PMN 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).

Recommended testing: EPA has determined that a prenatal developmental toxicity study (OPPTS 870.3700 test guideline), a 28-day oral toxicity study in rats (OPPTS 870.3050) that includes a neurotoxicity functional observational battery (NTIS: PB 91-154617) for all test doses with the highest test dose set at 1,000 mg/kg, and for the highest test dose group only, histopathologic examination shall be extended to include testes/ovaries and lungs, an acute oral toxicity (OPPTS 870.1100 test guideline), a mammalian erythrocyte micronucleus test (OPPTS 870.5395 test guideline), and a salmonella typhimurium reverse mutation assay (OPPTS 870.5265 test guideline) would help to characterize the human health effects of the PMN substance.

CFR citation: 40 CFR 721.8130.

PMN Number P-01-149

Chemical name: Sulfuric acid, mono-C₉₋₁₁-alkyl esters, sodium salts.

CAS number: 84501-49-5.

Basis for action: The PMN substance will be used as a component in surfactant/foaming agent for leather processing. Based on structural activity relationship analysis, EPA has identified health concerns for internal organ effects. 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 an increase in production volume 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 (OPPTS 870.3100 test guideline) would help to characterize the human health effects of the PMN substance.

CFR citation: 40 CFR 721.3130.

PMN Number P-01-152

Chemical name: Benzenamine, 4-methoxy-2-methyl-N-(3-methylphenyl)-.

CAS number: 93072-06-1.

Basis for action: The PMN substance will be used as described in the PMN. Based on structural analogy to neutral organic compounds, EPA is concerned that toxicity to aquatic organisms may occur at a concentration as low as 5 ppb of the PMN substance in surface waters. EPA also 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. Since significant environmental exposure is not expected as the PMN substance is not released to surface water above 5 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 5 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 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 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 721.1070.

PMN Number P-01-170

Chemical name: Acetic acid, [(5-chloro-8-quinolinyl)oxy]-, 1-methylhexyl ester.

CAS number: 99607-70-2.

Basis for action: The PMN substance will be used as a seed safener. Based on test data, there is concern for liver toxicity and thyroid effects. Since significant worker exposure is unlikely, 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 without protective equipment may cause serious health effects. Based on this information, the PMN substance meets the concern criteria in § 721.170(b)(3)(i).

Recommended testing: The Agency recommends no further toxicity testing for hazard assessment of the PMN substance. However, additional information on human exposures to the PMN substance would help to characterize potential risks.

CFR citation: 40 CFR 721.304.

PMN Number P-01-298

Chemical name: (generic) Substituted propane

CAS number: Not available.

Basis for action: The PMN substance will be used as a polymer additive. EPA has identified health concerns for mutagenicity, neurotoxicity, developmental toxicity, liver toxicity and kidney toxicity based on submitted test data. 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 PMN substance may cause significant adverse effects. EPA has determined, however, that use of the PMN substance other than as described in the PMN may result in 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 prenatal development toxicity study by the oral route in two species (OPPTS 870.3100 test guideline) would help to characterize the human health effects of the PMN substance.

CFR citation: 40 CFR 721.8140.

PMN Number P-01-320

Chemical name: Propane, 1, 1,1,2,2,3,3-heptafluoro-3-methoxy-.

CAS number: 375-03-1.

Basis for action: The PMN substance will be used as heating transfer fluid and a refrigerant. EPA has identified