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Document Processing Center (Mail Code 7407M)  
Room 6428  
Attention: 8(e) Coordinator  
Office of Pollution Prevention and Toxics  
U.S. Environmental Protection Agency, ICC Building  
1201 Constitution Ave., NW  
Washington, DC 20004



8EHQ-0510-17946A  
DCN: 88100000275s

8EHQ-10-17946

Dear 8(e) Coordinator:

Mixture containing Aromatic 200 fluid (CAS#64742-94-5) 60-70%; Catechol (CAS#120-80-9) <5%; C10-C16 Alkylbenzenesulfonic acid (CAS#68584-22-5) 10-20%; Ethyleneglycol-phenethylether (CAS#122-99-6) <1%; Shellsol A 150 (CAS#64742-94-5) 10-20%; Diethylene-glycolphenethylether (104-68-7) <1%; C10-C16 Alkylbenzene (CAS#68648-87-3) <1%; Sulfuric acid (CAS#7664-93-9) <1%; sulfur dioxide (CAS#7446-09-5) <1%.

This letter is to inform you of the results of an acute inhalation toxicity study in rats with the above referenced test mixture.

Five males and five female SD rats were exposed, whole-body, for 4 hrs to concentrations of the test mixture at target levels of 5, 2, and 1 mg/L. Mean aerosol concentrations of 4.91, 2.05 and 0.30 mg/L were determined by gravimetric analysis for the exposures. MMAD for the exposures were 2.57, 1.44 and 1.36 µM, respectively with geometric deviations of 2.01, 2.15 and 1.80, respectively, placing most particles well within respirable range.

Nine rats at 4.91 mg/L and 5 rats at 2.05 mg/L died during the study. The 4-hr LC50 was estimated to be 2.37 mg/L. Clinical observations noted were as follows: at 4.91 mg/L - all rats showed hypoactivity and abnormal posture on the day of exposure and one surviving rat showed these signs until day 5; at 2.05 mg/L - 6 rats had salivation and abnormal posture on the day of exposure and 4 had abnormal posture on day 1 after the exposure; and at 0.93 mg/L - all animals showed hypoactivity on the day of exposure and until 2 days after exposure.

Sincerely,

**Company Sanitized**