



8EHC-1293-1280

OFFICE OF POLLUTION PREVENTION AND TOXICS

Allied-Signal Inc.  
P.O. Box 1057  
Morristown, NJ 07962-1057

93 DEC 29 PM 2:21



**CERTIFIED MAIL  
RETURN RECEIPT REQUESTED**

December 22, 1993



8EHC-93-12803  
INIT 12/29/93

U.S. Environmental Protection Agency  
Office of Pollution Prevention and Toxics  
TSCA 8(e) Coordinator  
401 M. Street, SW  
Washington, DC 20460



889400000088

**RE: Toxic Substances Control Act - Section 8(e) Substantial Risk Report**

Dear Sir:

We have received information that a research material produced positive findings in two separate mutagenicity screening protocols.

With regard to 3-Glycidoxypropylmethyldiethoxysilane (CAS # 2897-60-1); an Ames assay detected gene mutation activity in *Salmonella* tester strains TA100 and TA1535 and *Escherichia* tester strain WP2uvrA(pKM101) with and without S9 activation. A confirmatory assay showed similar positive results. In addition, an in-vitro cytogenetics assay using human peripheral lymphocytes indicated structural chromosome aberrations with and without S9 activation. A confirmatory in-vitro cytogenetics assay is currently being conducted.

There is no human or environmental exposure associated with current research activities.

Sincerely,

*D. Levine*

D. Levine  
Director - Product Safety and Integrity

RECEIVED  
1-12-94