

CODING FORMS FOR SRC INDEXING

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Submitting Organization		ROHM & HAAS CO			
Contractor					
Document Title		INITIAL SUBMISSION: LTR FR ROHM & HAAS CO TO USEPA RE PRELIM RESULTS INCLDNG NEUROTOXICITY FR ACUTE ORAL TOXICITY STUDY IN RATS W/[], AN ALKYNYL CHLORIDE, DATED 110899 (SANITIZED)			
Chemical Category		ALKYNYL CHLORIDE (CONFIDENTIAL)			

**INITIAL
SUB-
MISSION**

A 03

100 INDEPENDENCE MALL WEST, PHILADELPHIA, PA 19106-2399 USA
TELEPHONE (215) 592-3000 CENTRAL FAX (215) 592-3377

MR 28613

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8EHQ-1199-14590

November 8, 1999

1999 NOV 15 PM 1:04



Document Processing Center (TS-790)
Attention: Section 8(e) Coordinator
Office of Pollution Prevention and Toxics
U.S. Environmental Protection Agency
401 M Street, SW
Washington, DC 20460

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Dear Coordinator:

Rohm and Haas Company submits this notice in accordance with Section 8(e) of the Toxic Substances Control Act.

This letter transmits preliminary results of a acute toxicity test indicating neurotoxic effects to male and female rats for [

Undiluted [] was administered as a single oral dose (gavage) to three groups of six male and six female rats at dose levels of 500, 1000, or 1500 mg/kg of body weight.

Clinical signs indicative of neurotoxicity (i.e., ataxia, fasciculations, prostration, salivation, lacrimation, tremors, nystagmus and/or dragging of hind limbs) were observed among survivors and decedents at all dose levels. These signs were noted beginning at one hour and continued through day 7.

Dose related mortality occurred in this study (0/6 males and 3/6 females at 500 mg/kg; 3/6 males and 6/6 females at 1000 mg/kg; and 6/6 males and 6/6 females at 1500 mg/kg. All deaths occurred by day 3 post-dosing.

The test substance, as received, was applied to the shaved intact skin of three groups of six male and female rats at 400, 1200 or 3600 mg/kg body weight. The application sites were occluded for 24 hours.

Clinical signs indicative of neurotoxicity (i.e., ataxia, fasciculations, salivation, and/or lacrimation) were observed among survivors and decedents at 1200 and 3600 mg/kg dose levels. These signs were noted beginning at 1 hour and were no longer evident at day 3. There were no clinical signs indicative of neurotoxicity in either sex at 400 mg/kg.

Mortalities occurred in both sexes at 3600 mg/kg (5/6 males and 2/6 females).

Rohm and Haas has produced only small quantities of this substance for research and development purposes. Only a limited number of highly trained personnel have been involved in the synthesis and testing of this substance. Appropriate safety procedures

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have been employed to preclude any exposure to new pesticidal candidates whose toxicological properties have not been fully defined. These employees have been advised of the results of these studies.

Because of the very low potential for exposure within Rohm and Haas Company and the very low probability of this substance is in commerce elsewhere in the United States, Rohm and Haas company does not believe this exploratory chemical poses any substantial risk to health and the environment.

Rohm and Haas Company considers the exact identity of this chemical and its Rohm and Haas experimental designation number to be Confidential Business Information (CBI), and thus have enclosed with this letter a sanitized version for the public record with confidential information deleted. We have also included, as Attachment II, substantiation supporting our CBI claims as required.

Rohm and Haas Company proposes the name "alkynyl chloride" as a generic, non-confidential chemical name to describe the chemical discussed in this notice.

If you have any questions concerning this submittal, my telephone number is (215) 592-2986.

Sincerely,

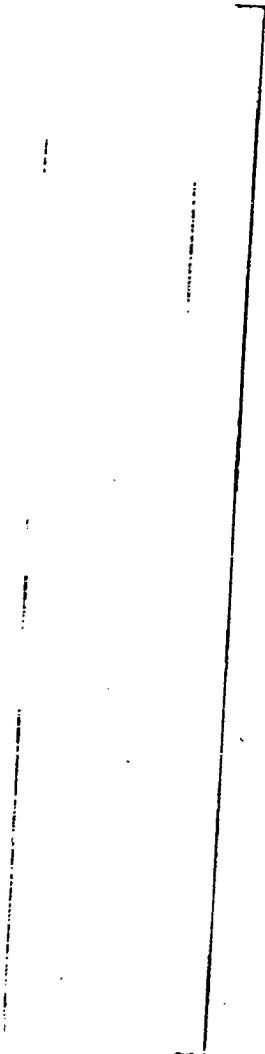

George J. Powell
TSCA Manager

EHS Shared Services Department

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ATTACHMENT I

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Generic name: alkynyl chloride

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CERTIFICATE OF AUTHENTICITY

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