

FILE COPY

Date Out EFB:

JUL 8 1980

To: Chief, Ecological Effects Branch

From: Dr. Willa Garner lll
Chief, Review Section No. 1
Environmental Fate Branch

Attached please find the environmental fate review of:

Reg./File No.: 3876 - RET

Chemical: beta-Bromo-beta-nitrostyrene and methylene bithiocyanate

Type Product: Slimicide

Product Name: Betz Slimicide C-41

Company Name: Betz Laboratories, Inc.

Submission Purpose: Request for EEC from EEB/HED

ZBB Code: _____

ACTION CODE: _____

Date in: July 7, 1980

EFB # _____

Date Completed: JUL 8 1980

Deferrals To:

_____ Ecological Effects Branch

_____ Residue Chemistry Branch

_____ Toxicology Branch

1. Hydrolysis (BNS)

The halflife of BNS (beta-bromo-beta-nitrostyrene) at pH=9 and 10 ppm initial fortification in water is 5.3 hours. Benzaldehyde and bromonitromethane are hydrolysis products.

The temperature at which this study was run and whether or not the study was run in the dark are not known but the information may be available from the raw data originally submitted under registration number 3876-81 in early 1973.

The EFB file contains additional information on hydrolysis but it was submitted by a company other than Betz Laboratories, Inc. Please supply the PM number for this compound to use so we can determine if the other company's data can be used.

2. Activated sludge (BNS)

We have no data on the effects of BNS on the activated sludge process.

3. Hydrolysis (methylene bithiocyanate)

Our file contains no hydrolysis data.

4. Activated sludge (methylene bithiocyanate)

Our file contains no activated sludge data.

Samuel M. Creeger July 8, 1980
Samuel M. Creeger
Review Section #1
EFB/HED