



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

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OFFICE OF  
PESTICIDES AND TOXIC SUBSTANCES

PRODUCT CHEMISTRY REVIEW ON NEW CHEMICALS  
EPA Registration No. 476-859

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Registrant: Stauffer Chemical Company

EPA Registration No.: 476-859

Pesticide Chemical Code: 039003

CAS Registry No.: 137-42-8

Product Name: Vapam Soil Fumigant

Chemical Name (Active Ingredient): Sodium N-Methyl  
Dithiocarbamate

Common Name: Vapam

### Introduction

This submission is in response to the EPA letter of June 23, 1986 (Henry M. Jacoby, PM 21) in which the registrant was informed that additional data was needed for registration of the manufacturing-use product/technical grade of the active ingredient (MP/TGAI) Vapam Soil Fumigant. The data deficiencies were noted in the product chemistry review of June 5, 1986 (Kerry Leifer), and the following information was submitted in response.

1. Material Safety Data Sheets for [REDACTED]

This submission fulfills the requirement under section 61-2 for information on the beginning materials.

2. Melting point (88 °C) and dissociation constant ( $pK_{III}$ , 17.6) are submitted in response to sections 63-5 and 63-10, respectively. These data resolve the questions raised on these sections.

The registrant has also provided a letter of transmittal which indicates that a Vapam sample has been shipped (letter of July 21, 1986, Robert J. Bussey) to the EPA laboratory. Warren Bontoyan, Beltsville (November 16, 1988 telecon) confirms receipt of the sample. This satisfies the submittal of sample requirement (section 64-1).

### Recommendation

The product chemistry data requirements for this MP/TGAI have been satisfied. Therefore, we recommend for the registration of this MP.

MANUFACTURING PROCESS INFORMATION IS NOT INCLUDED