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

*Microfiche*

SEP 30 1992

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OFFICE OF  
PESTICIDES AND TOXIC  
SUBSTANCES

MEMORANDUM

SUBJECT: Tetrahydro-3,5-dimethyl-2H-1,3,5-thiadiazine-2-thione  
(Dazomet):

Caswell No: 840  
Submission: S425692  
Case: 803960  
DP Barcode: D182791

FROM: Timothy F. McMahon, Ph.D., Toxicologist *T. McMahon* 9/28/92  
Review Section I, Toxicology Branch II  
Health Effects Division (H7509C)

TO: Betty Crompton / PM 51  
Special Review and Reregistration Division (H7508W)

THRU: Yiannakis M. Ioannou, Ph.D., Section Head *Y. M. Ioannou* 9/29/92  
Review Section I, Toxicology Branch II  
Health Effects Division (H7509C)

and

Marcia Van Gemert, Ph.D., Branch Chief  
Toxicology Branch II  
Health Effects Division (H7509C) *M. Van Gemert* 9/29/92

Registrant: BASF Corporation

**Action Requested:** Upgrade of submitted acute oral toxicity study in rats  
(MRID # 251666).

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**Summary:**

Purity of test article used for the conduct of the acute oral toxicity study in rats with dazomet was submitted to the Agency by BASF Corporation. This was submitted in order to upgrade the acute oral toxicity study. However, as stated in the phase IV review and in the toxicology one-liner database (copies attached), this study has been accepted as fulfilling the guideline requirements for an acute oral toxicity study. Thus, there is no further concern regarding the acceptability of this study.

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PHASE FOUR REVIEW

(NOTE: This only contains additions and changes from the phase 2 response.)

Pesticide: Dazomet

Transmitted to HED on: 12/13/90 Chemical#/Case#: 035602/2135  
Tox. Chem #: 840 Sponsor: BASF\*

CRM: Betty Crompton

Phone#: 703-308-8067

Branch: Reregistration

Reviewer: Y.M. Ioannou *JM Ioannou 1/12/91*

Completed: 01/09/91

Concurrence: *M. K. G. 1/23/91*

Response, by Guideline

Guideline #: 81-1 Acute oral/rat  
MRID 00132468 Study #80/46  
Recommendation: Based on the provided purity of the test article this study satisfies guideline requirements.

Guideline #: 81-2 Acute dermal/rabbit  
MRID Study #  
Recommendation: Will submit a new study.

Guideline #: 81-3 Acute inhalation/rat  
MRID 415630-03 Study #86/0289  
Recommendation: Based on the provided summary, the study is acceptable for review.

Guideline #: 81-4 Primary eye irritation/rabbit  
MRID 415630-02 Study #85/0389  
Recommendation: Based on the provided summary, the study is acceptable for review.

Guideline #: 81-5 Primary dermal irritation/rabbit  
MRID 415630-01 Study #85/0388  
Recommendation: Based on the provided summary, the study is acceptable for review.

Guideline #: 81-6 Dermal sensitization/Guinea Pig  
MRID 00156694 Study #30H318/85  
Recommendation: Based on the provided summary, the study is acceptable for review.

\*Although BASF is in the process of providing all Toxicology data required to support a "Food use" the Agency can consider reregistration of Dazomet only for "non food use" at this time. the Registrant is directed to apply for a "Section 3" registration if a food use is sought.