



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

900 AA

MEMORANDUM

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

June 28, 1983

TO: Jay Ellenberger, PM 12
Registration Division (TS-767)

SUBJECT: Thiodicarb/Acetamide Residues and Corrected
Risk Calculations PP #3F2773

Upon consideration of the corrected RCB review of the thiodicarb/acetamide residue ratios submitted by Union Carbide, the risk analysis should be corrected. The present risk analysis for thiodicarb assumes a one-to-one conversion and residue ratio. Instead, we can use the 306:1 ratio, which corrects the TMRC risk as follows:

$$\text{Tolerance} \times 2/0 \text{ Food Factor} \times \left(\frac{1.5 \text{ kg/d}}{60 \text{ kg person}} \right) \div 306 = 2.34 \times 10^{-6}$$
$$2.34 \times 10^{-6} (Q^* \text{ of } 3.07 \times 10^{-3}) = 7 \times 10^{-9}$$

The resulting probability of risk due to acetamide, if present at all, would then be 7×10^{-9} . This risk has never formerly been objectionable.

Based on these considerations, the Toxicology Branch has no objections to this petition.

Christine F. Chaisson
for Christine F. Chaisson, Ph.D.
Acting Chief
Toxicology Branch
Hazard Evaluation Division

cc:
Caswell File ✓
JMelone

110 DICKINSON (900 AA)

6-11-83

1. NUMBER	3. ACTION CODE	4. ACCESSION NUMBER	TO BE COMPLETED BY PM
3F2773	233		5. RECORD NUMBER 99114
			6. REFERENCE NUMBER
			7. DATE RECEIVED (EPA) 5-31-83
			8. STATUTORY DUE DATE
			9. PRODUCT MANAGER (PM) Ellen Berger
			10. PM TEAM NUMBER 12

11. CHECK IF APPLICABLE

<input type="checkbox"/> Public Health/Quarantine	<input type="checkbox"/> Minor Use
<input type="checkbox"/> Substitute Chemical	<input type="checkbox"/> Part of IPM
<input type="checkbox"/> Seasonal Concern	<input type="checkbox"/> Review Requires Less Than 4 Hours

11. DATE SENT TO HED/TSS
6-8-83 + 14

12. PRIORITY NUMBER
48

13. PROJECTED RETURN DATE
8-15-83

G. INSTRUCTIONS TO REVIEWER		F. INSTRUCTIONS	
A. HED	<input type="checkbox"/> Total Assessment - 3(c)(5) <input type="checkbox"/> Incremental Risk Assessment - 3(c)(7) and/or E.L. Johnson memo of May 12, 1977.	C. <input type="checkbox"/> BFGD	
B. SPRD (Send Copy of Form to SPRD PM)	<input type="checkbox"/> Chemical Undergoing Active RPAR Review <input type="checkbox"/> Chemical Undergoing Active Registration Standards Review	D. <input type="checkbox"/> TSS/RD E. <input checked="" type="checkbox"/> Other	

H. RELATED ACTIONS

I. 3(c)(1)(D)		18. REVIEWS SENT TO							
<input type="checkbox"/> Use Any or All Available Information <input type="checkbox"/> Use Only Attached Data <input type="checkbox"/> Use Only the Attached Data for Formulation and Any or All Available Information on the Technical or Manufacturing Chemical.		<input type="checkbox"/> TB <input type="checkbox"/> EEB <input type="checkbox"/> EF <input type="checkbox"/> PL <input type="checkbox"/> RCB <input type="checkbox"/> EFB <input type="checkbox"/> CH <input type="checkbox"/> BFGD							
J. TYPE OF REVIEW		K. NUMBER OF ACTIONS							
		Registration	Petition	EUP	SLN	Sec. 18	Inert	MNR. USE	Other
TOXICOLOGY (Chen CHAISSON)			1						
ECOLOGICAL EFFECTS									
RESIDUE CHEMISTRY									
ENVIRONMENTAL DATA									
CHEMISTRY									
EFFICACY									
PRECAUTIONARY LABELING									
ECONOMIC ANALYSIS									3

Label Submitted with Application Attached	21. <input type="checkbox"/> Confidential Statement of Formula	22. <input type="checkbox"/> Representative Labels Showing Accepted Uses Attached	23. Date Returned to RD (to be completed by HED)	24. Include an Original and 4 (four) Copies of This Completed Form for Each Branch Checked for Review
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