

Case No.: 4092
Chemical No(s): 120301

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OREB TRANSMITTAL SHEET FOR PHASE 4 REVIEWS

Transmitted to HED on 11/03/92Case name: 120301 Thidiazuron (ANSI)Chemical name(s): N-Phenyl-N'-1,2,3-thiazol-5-yl ureaData submitter(s): 045639 Nor-Am Chemical CompanyCRM: Tom MyersPhone #: 703-308-8074Issues/flags:

This action contains a request for a DATA WAIVER ()
TIME EXTENSION ()
ALTERED/DELETED USE ()

Other: _____

Branch: Occupational and Residential Exposure BranchReviewed by: Judy SmithDate: 12/2/92

Approvals:

Section Head: Al P. NishDate: 12/21/92Branch Chief: Mark I. GouletDate: 29 DEC 92Division Director: Penelope A. Jenner-CrispDate: 1/12/93

Response, by Guideline

Guideline #: 132-1(a) Description: Foliar Residue Dissipation
Is requirement applicable? (Y/N): N

Discussion: Thidiazuron, formulated as a 50% wettable powder packed in water-soluble packets, is utilized as a cotton defoliant and regrowth suppressant prior to harvest of bolls. The technical grade material (99.3% pure a.i.) is a dermal and eye toxicity category IV chemical. Based on available toxicity data and use information, OREB does not require a foliar residue dissipation study to support reregistration.²

Guideline #: 132-1(b) Description: Soil Residue Dissipation
Is requirement applicable? (Y/N): N

Discussion: Thidiazuron, formulated as a 50% wettable powder packed in water-soluble packets, is utilized as a cotton defoliant and regrowth suppressant prior to harvest of bolls. The technical grade material (99.3% pure a.i.) is a dermal and eye toxicity category IV chemical. Based on available toxicity data and use information, OREB does not require a soil residue dissipation study to support reregistration.²

Guideline #: 133-3 Description: Dermal Exposure
Is requirement applicable? (Y/N): N

Discussion: Thidiazuron, formulated as a 50% wettable powder packed in water-soluble packets, is utilized as a cotton defoliant and regrowth suppressant prior to harvest of bolls. The technical grade material (99.3% pure a.i.) is a dermal and eye toxicity category IV chemical. Based on available toxicity data and use information, OREB does not require a dermal exposure study to support reregistration.²

1. Use information is based on the LUIS report dated 9/2/92 from Phyllis Johnson of BEAD, and the product label, EPA Reg. 45639-89.
2. Tox information was retrieved from the tox one liners dated 11/09/92 and discussion with the tox reviewer, D. McCall of Toxicology Branch on 11/20/92.

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Guideline #: 133-4 Description: Inhalation Exposure
Is requirement applicable? (Y/N): N

Discussion: Thidiazuron, formulated as a 50% wettable powder packed in water-soluble packets, is utilized as a cotton defoliant and regrowth suppressant prior to harvest of bolls. Minimal acute inhalation data was available for this chemical.¹ Based on the lack of acute inhalation data for the technical material, OREB does not require an inhalation exposure study to support reregistration at this time.²

Applicable Requirements:

Applicator Exposure Monitoring (Subdivision U)

Guideline #231: Estimation of Dermal Exposure at Outdoor Sites
Guideline #232: Estimation of Inhalation Exposure at Outdoor Sites
Guideline #233: Estimation of Dermal Exposure at Indoor Sites
Guideline #234: Estimation of Inhalation at Indoor Sites

Comments:

Thidiazuron, formulated as a 50% wettable powder packed in water-soluble packets, is utilized as a cotton defoliant and regrowth suppressant prior to harvest of bolls. Minimal acute inhalation data was available for this chemical.¹ Based on the absence of acute inhalation data for the formulated product, OREB reserves Guideline 232 (estimation of inhalation exposure at outdoor sites) and does not require a mixer/loader/applicator study to support reregistration at this time.²

cc: Judy Smith/OREB
Linda Kutney/SACB
Debbie McCall/TOX II
List D Chemical File
Chemical File
Correspondence

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2. Tox information was retrieved from the tox one liners dated 11/09/92 and discussion with the tox reviewer, D. McCall of Toxicology Branch on 11/20/92.