

US EPA ARCHIVE DOCUMENT

2-5-90

SRRD/GCSB TRANSMITTAL SHEET FOR PARTS B/C/D

To HED on 11/9/89 Pkg #: _____ Chemical/Case #: 0843011 2030

Categories: _____ Use Patterns: _____

Chemical: BENFLURALIN

Submitter: EIANCO PRODUCTS

Chemical Review Manager: TOM LUMINEZZO Phone #: 557-2558

Label(s) attached: Yes () / No (X).

Branch: NDEB Review Section: 1

Reviewer : Laura Morris

Signature : Laura Morris

Date : 11/1/90

Section Head: Alan P. Nielsen

Signature : Alan P. Nielsen

Date : 2/5/90

Branch Chief: Charles L. Trichilo, Ph.D.

Signature : [Signature]

Date : 2/5/90

GENERAL COMMENTS

NON-DIETARY EXPOSURE BRANCH
 Data Requirements for...

	D	W	C
132-1(a) Foliar Residue Dissipation	R		✓
132-1(b) Soil Residue Dissipation	R		✓
133-3 Dermal Exposure	R		✓
133-4 Inhalation Exposure	R		✓
231 Requirements for monitoring DERMAL exposure at OUTDOOR SITES resulting from pesticide application.			
232 Requirements for monitoring RESPIR. exposure at OUTDOOR SITES resulting from pesticide application.			
233 Requirements for monitoring DERMAL exposure at INDOOR SITES resulting from pesticide application.			
234 Requirements for monitoring RESPIR. exposure at INDOOR SITES regarding pesticide application and Post-application exposure.			
235 Requirements for monitoring exposure at OUTDOOR and INDOOR sites by BIOLOGICAL monitoring.			

RESPONSE, BY GUIDELINE

Guideline #: 132-1a Description: Foliar Residue Dissipation
Compliance Codes: N Data Waiver ()
Discussion : Registrant believes these data are not re-
quired.

Recommendation:
Tentatively, the Non-Dietary Exposure Branch concurs with the registrant. However, this data requirement is reserved pending the completion of the toxicological evaluation.

Guideline #: 132-1b Description: Soil Residue Dissipation
Compliance Codes: N Data Waiver ()
Discussion : Registrant believes these data are not re-
quired.

Recommendation:
Tentatively, NDEB concurs with the registrant. However, this data requirement is reserved pending the completion of the toxicological evaluation.

Guideline #: 133-3 Description: Dermal Exposure
Compliance Codes: N Data Waiver ()
Discussion : Registrant believes these data are not re-
quired.

Recommendation:
Tentatively, NDEB concurs with the registrant. However, this data requirement is reserved pending the completion of the toxicological evaluation.

Guideline #: 133-4 Description: Inhalation Exposure
Compliance Codes: N Data Waiver ()
Discussion : Registrant believes these data are not re-
quired.

Recommendation:
Tentatively, NDEB concurs with the registrant. However, this data requirement is reserved pending the completion of the toxicological evaluation.

* * * * * B E N F L U R A L I N * * * * *

NDEB'S LIST B CHEMICAL DATA SHEET

Chemical Name: **Benfluralin**

Acute Dermal LD50: (19.1%) (rab) > 2010 mg/kg Cat. 3

Acute Oral LD50: (dog) > 200 mg/kg Cat. 2

Dermal Sensitization: (92.8%) (guinea p.) skin sensitizer (5% ethanol)

Primary Dermal Irritation: (19.1%) (rab) at 72 hrs., 3/6 well-defined erythema Cat. 3

Primary Eye Irritation: (19.1%) (rab) unwashed group, 1/6 animals died/washed group, irrit. cleared by day 16. Cat. 1

Acute Inhalation LC50: (rat) > 1.33 mg/l Cat. 3

Usage Patterns:
preemergence herbicide

Crops: peanuts, lettuce, alfalfa/clover/trefoil, turf & ornamentals

Application Method:

Maximum Label Ratio:

Rate of Application:

Types of Formulation: EC; dry flowable, granular

Existing Requirements:

1. Is there a reentry interval in place now?
2. Are there protective clothing requirements? Y *
3. Are there mixer/loader requirements in place now?

* Farm Chemicals-coveralls, long-sleeved shirt, impermeable gloves