



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

NOV 5 1991

OFFICE OF  
PESTICIDES AND TOXIC  
SUBSTANCES

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MEMORANDUM

Subject: Barricade T Herbicide  
ID Number 55947-UG  
Tox Chem No. 727A  
HED Project No. 1-1195

From: John H.S. Chen, D.V.M. *John H.S. Chen 10/31/91*  
Review Section No. I  
Toxicology Branch II  
Health Effects Division (H7509C)

To: Joanne I. Miller, PM 23  
Herbicides-Fungicides Branch  
Registration Division (H7505C)

Thru: Yiannakis M. Ioannou, Ph.D., Section Head *J.M. Ioannou 10/31*  
Review Section No. 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 11/5/91*

Petitioner:

Sandoz Crop Protection Corporation  
Des Plaines, Illinois 60018

Action Requested: Review of the Submitted CSF and  
Labeling of the Proposed New Chemical Herbicide  
(Barricade T Herbicide).

Recommendation:

1. The previously submitted acute toxicity studies with prodiamine formulation (65%) are adequate to support the Toxicity Category III precautionary statements on the label for preemergence weed control around the ornamental species (nonfood use herbicide only):

Acute Oral LD50 - Rat  
Huntingdon Res. Center, Eng.  
HRC 86386D/106AC; 5/27/86

LD50 > 5 g/kg  
Toxicity Category 4  
Core Minimum 005656

Acute Dermal LD50 - Rat  
Huntingdon Res. Center, Eng.  
HRC 86386D/107AC; 5/27/86

LD50 > 2 g/kg  
Toxicity Category 3  
Core Minimum 005656  
& 007973

Primary Dermal Irritation - Rabbit  
Huntingdon Res. Center, Eng.  
HRC 86244D/190SE; 3/26/86

Slt. erythema in 1/6  
Toxicity Category 4  
Core Minimum 005656

Primary Eye Irritation - Rabbit  
Huntingdon Res. Center, Eng.  
HRC 86241D/108SE; 4/10/86

Conjunctival redness  
and chemosis vanished  
within 4 days  
Toxicity Category 3  
Core Minimum 005656

Acute Inhalation LC50 - Rat  
Huntingdon Res. Center, Eng.  
VCL 111/86/831; 11/7/86

LC50 > 1.81 mg/L  
Toxicity Category 3  
Core Minimum 007973

2. The clearance of specific inerts used in the Barricade  
T Herbicide formulation under 180.1001 is not needed  
until food use is sought.

3. Because the ornamental species proposed by the petitioner  
include some food producing plants such as almond, apricot,  
nectarine, peach, plum, prune, pear, cherry, and grape,  
Toxicology Branch II recommends against the use of this  
herbicide on any of these ornamental plants which may produce  
fruits for food use.

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