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

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OFFICE OF
PESTICIDES AND TOXIC
SUBSTANCES

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 *M van Gemert 11/5/91*
Toxicology Branch II
Health Effects Division (H7509C)

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):

1 30

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.