

US EPA ARCHIVE DOCUMENT

Shaughnessy #: NONE

EAB Log-Out Date: 4 JAN 88

To: John Lee  
Product Manager #31  
Registration Division (TS-767C)

From: Michael P. Firestone, PhD, Chief *Michael P. Firestone*  
Special Review Section  
Exposure Assessment Branch  
Hazard Evaluation Division (TS-769C)

Thru: Paul F. Schuda, PhD, Chief *Paul F. Schuda*  
Exposure Assessment Branch  
Hazard Evaluation Division (TS-769C)

Attached, please find the EAB review of...

Reg./File No.: 148-1283 and 33753-5

Chemical: 2-Bromo-2-nitro-1,3-propanediol

Type Product: Biocide

Product Name: MYACIDE AS PLUS and BIOCIDE M-95

Company Name: THE BOOTS CO. and THOMPSON-HAYWARD CHEMICAL CO.

Submission Purpose: Exposure Assessment

Date In: 13 NOV 87

ACTION CODE: 300

Date Completed: 4 JAN 88

EAB #: 80101,80102

Deferrals To:

Ecological Effects Branch

Residue Chemistry Branch

Toxicology Branch

Benefits and Use Division

Monitoring study requested by EAB: \_\_\_\_\_

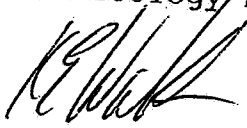
Monitoring study voluntarily conducted by registrant: \_\_\_\_\_

NOTE TO: John Lee, PM #31

EAB has reviewed the submissions of The Boots Company, PLC and Thompson-Hayward Chemical Company for the biocide, 2-bromo-2-nitro-1,3-propanediol. The biocide is used in air washers and humidifier systems; paper mill process water and bulk pulp; oil flooding/injection waters; and cans as an in-can preservative for use in: surfactants; raw materials; consumer, household and institutional products; paints; pigments and extender slurries; water-based agricultural pesticide concentrates; latex and antifoam emulsion systems; water-based adhesives; printing inks; and other similar in-can uses.

The submissions present worst-case inhalation exposure to the biocide. EAB accepts the exposures presented as representative worst-case inhalation exposure. No data were presented on dermal exposure. However, EAB believes such exposure would be negligible given the label requirements for gloves and face shield or goggles when handling the solid product.

The registrant also presented data on the NOEL for rats. EAB defers on this issue to the Toxicology Branch.

  
Karen E. Warkentien  
Special Review Section  
Exposure Assessment Branch  
Hazard Evaluation Division (TS-769C)