

US EPA ARCHIVE DOCUMENT

006315
SHAUGHNESSY NO.

REVIEW NO.

EE BRANCH REVIEW

DATE: IN 6-13-85 OUT 7-11-85

FILE OR REG. NO. 8622-EL

PETITION OR EXP. PERMIT NO.

DATE OF SUBMISSION 5/30/85

DATE RECEIVED BY HED 6/12/85

RD REQUESTED COMPLETION DATE 7/12/85

EEB ESTIMATED COMPLETION DATE 7/10/85

RD ACTION CODE/TYPE OF REVIEW 160/Old Chemical

TYPE PRODUCT(S): I, D, H, F, N, R, S Microbiocide

DATA ACCESSION NO(S).

PRODUCT MANAGER NO. A. E. Castillo (32)

PRODUCT NAME(S) Halobrom

COMPANY NAME Dead Sea Bromine Company, Ltd.

SUBMISSION PURPOSE Submission of data to support proposed
microbiocide uses

SHAUGHNESSY NO.	CHEMICAL & FORMULATION	% A.I.
006315	1-brom ⁰ -3-chloro-5,5-dimethyl- hydantoin	96.0

100 Submission Purpose and Label Information

100.1 Submission Purpose and Pesticide Use

Data submitted for review to support the manufacturing use of a disinfectant.

100.2 Formulation Information

1-Bromo-3-Chloro-5,5-Dimethylhydantoin.....96.0%
Inert Ingredients.....4.0%

101 Hazard Assessment

101.4 Adequacy of Toxicity Data

The fish and wildlife studies submitted under EPA Accession No. 258164 have been determined to fulfill the requirements for acceptable studies. The studies are summarized as follows:

Avian acute oral LD₅₀ - bobwhite - 1839(1350-2250)mg/kg

Avian dietary LC₅₀ -bobwhite - >5620 ppm
-mallard - >5620 ppm

Fish 96-hr LC₅₀ - bluegill - 0.46(0.37-0.59)ppm
- rainbow trout - 0.40(0.32-0.56)ppm

Aquatic invertebrate 48-hr EC₅₀ - Daphnia magna -
0.75(0.56-1.00)ppm

Les Touart 7-11-85
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