

PRD-606
TRR-3056

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

003056

DATE: December 20, 1978

SUBJECT: Hyamine 3500-50% EPA Registration#707-63
Caswell#16

FROM: William Dykstra, Ph.D
Toxicology Branch/IIED *WJD 12/20/78*

TO: John Lee
Product Manager#31

Registrant: Rohm and Haas
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Recommendations:

1. The toxicology data submitted are acceptable as Core Minimum Data.

a. The test material Hyamine 3500 has a NEL of 10 mg/kg for fetotoxicity. The incidence of fetal toxicity is considered to be dose-related in the mid-dose, because six of the nine litters delivered had fetal death. No terata at 10 and 30 mg/kg.

b. Acute Toxicity

Oral LD₅₀ > 5.0 ml/kg TOX IV: CAUTION

Eye Irritation: Corrosive; DANGER: TOX I

Skin Irritation: P.I. = 6.5; WARNING: TOX I

Inhalation LC₅₀ 2.0 mg/L: TOX III: CAUTION

Review:

1. Teratogenic Evaluation of Hyamine 3500 in Rabbits (Hazelton Laboratories America, Inc.; Project#417-364, 1/6/78, Acc.#234564.

Memo of 3/29/78 from W. Greear to Joseph Tavano included review of study and request for individual animal data.

Test Material: Hyamine 3500

Results: One control, three low-dose, six mid-dose and all 15 high-dose does died during gestation. This is evidence of maternal toxicity in all groups. Embryotoxicity present in mid and high-dose. No visceral or skeletal terata.

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Conclusion: No terata at 10 or 30 mg/kg. Fetotoxicity at 30 mg/kg.
NEL is 10 mg/kg for fetotoxicity. No terata observed.

Classification: Core-Minimum Data

(a) Only 9 does examined at mid-dose.

2. Acute Toxicity of Hyamine 3500 - 80% (Harris Project No.6380, 8/14/73)

Summarized Data was Presented

Test Material: Hyamine 3500 - 80% (6-2338-09)

1. Acute Oral > 5.0 ml/kg CAUTION TOX IV

2. Primary Skin Irritation Score = 6.5 WARNING TOX II

3. Primary Eye Corrosive DANGER TOX I

4. Inhalation No deaths in saturated atmosphere. CAUTION TOX III
LC₅₀ > 2.0 mg/L

Classification: Core Minimum Data

(a) Summarized Data was presented.

TOX/HED:th:WButler:12-19-78

WButler 12/21/78

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