UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

DATE: December 28, 1977

SUBJECT: Lonza Formulation 70-12-Addition of Dermal $LD_{50}$ Data to EPA Reg. No. 6836-33, Caswell#613A,392H,331A,846,509,430,16E Shaughnessy No.069165,069166,039107,047501,069149,001501,169101

FROM: Toxicology Branch
Registration Division

TO: J. Tavano
Product Manager #31

Thru: Mary Quaife, Ph.D
Acting Branch Chief

Recommendation: The study is considered Supplementary Data because of reasons stated in the review.

*No RPAR criteria have been exceeded.

Review

A. Acute Dermal $LD_{50}$ Study (Leberco Laboratories, Assay#731375, 2/7/77, submitted by Lonza, Inc., 3/22/77, Acc.#232265).

1. Procedure

a). Twelve female rabbits, unspecified strain, 2.2-3.1 Kg, were divided into 3 groups of 4 animals each which received dermal applications of 1 ml, 2 ml, or 5 ml/kg of test material under occlusive dressing. Backs were shaved prior to applications. No test sites were abraded. At 24 hours post-treatment dressing was removed, and animals were washed and towel-dried. Animals were observed 14 days post-treatment.

2. Results:

| Dose (ml/kg) | Deaths |
|---|---|
| 1 | 2 |
| 2 | 3 |
| 5 | 3 |

$LD_{50} > 1$ ml/kg.

3. Conclusions

a). Classification: Supplementary

i). No data of toxic signs, necropsies, or statistics were submitted.

ii). Doses used appear to be in the upper portion of the $LD_{50}$ range. The study should be extended to include doses below 1 ml/kg to permit a more precise estimate of the $LD_{50}$, taking submitted results into consideration.

iii). No males were used, and no test sites were indicated to have been abraded.

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1/4/77

EPA FORM 1320-6 (REV. 3-76)