

US EPA ARCHIVE DOCUMENT

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

DATE: September 10, 1978

SUBJECT: Lonza Disinfectant Cleaner (19-A), Caswell Nos. 331A, ⁸⁴⁶438, 779A

FROM: Carlos A. Rodriguez
Toxicology Branch, HED

TO: James H. Banks, PM 33
Registration Division (TS-767)

Registration No. 6836-28

Registrant: Lonza, Inc.
22-10 Route 208
Fairlawn, New Jersey 07410

Action Requested: Application for re-registration

Recommendation

The Acute dermal LD₅₀ performed with this formulation is classified Core-Minimum Study and found acceptable and answered part (A) 1, 2, and 3 of our letter September 8, 1977. Part "B" in the same letter has not been answered yet.

Teratology studies are required for sodium metasilicate and EDTA.

Toxicology Review of submitted data:

Acute Dermal LD₅₀

4 male and 4 female rabbits, weighing between 2.0 and 3.1 kilo, had their hair removed from their backs with an electric clipper. Two animals in each sex had their skin abraded. The test material was applied at a large dose of 5 ml/kg to their backs. The applied material was covered with gauze and the entire animal wrapped in a sleeve. The material was allowed to remain in contact with the skin for 24 hours, the wrapping removed and the back of the animals washed. Observations were made for 14 days.

Results

LD₅₀ 5 ml/kg (1 animal died, death not determined)

Toxic Signs: Severe erythema followed by thickening of the skin and eschar formation over the whole back.

At autopsy no growth pathology could be found.

Tox. Category: Dermal LD₅₀ (III)

Classification: Core Minimum Study

R/D init: REngler 8/21/78

CRodriguez:km

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