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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

8-29-91

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OFFICE OF
PESTICIDES AND TOXIC
SUBSTANCES

MEMORANDUM

SUBJECT: Calcium Polysulfide - Request for Data Waivers

Caswell No. 150
HED Project No. 1-1614

FROM: Elizabeth A. Doyle, Ph.D., Section Head
Review Section IV, Tox Branch II (H7509C)

E.A. Doyle
8/22/91

TO: Bruce Sidwell, PM-53
Special Review and Reregistration Division (H7508C)

THRU: Marcia van Gemert, Ph.D., Branch Chief
Tox Branch II
Health Effects Division (H7509C)

M. van Gemert
8/29/91

Registrant: Moyer Products, Inc.

Action Requested: Review of requests for data waivers for Dermal Sensitization (81-6) and Acute Inhalation (81-3) studies for calcium polysulfide.

Background: Calcium polysulfide, upon dissolution in water, is converted rapidly to calcium hydroxide and colloidal elemental sulfur. The pH of rehydrated calcium polysulfide at field strength is 11.8.

Recommendation: Due to the highly alkaline nature of this product, attempting to conduct acute inhalation and/or dermal sensitization studies would be unlikely to yield useful data and therefore are not appropriate. Due to the chemical characteristics of this material, Tox Branch II recommends in favor of these data waivers.

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