

cc: Mr. G. P. Bigelow

April 5, 1957

Mr. I. Davis
National Adhesives Company
1700 West Front Street
Plainfield, New Jersey

Re: Polyvinyl Ethers KIDN and KIDC

Dear Mr. Davis:

Mr. G. P. Bigelow of our Bakelite Company has requested that we write you concerning the toxicity of the subject materials. These are both polymerized vinyl ethers and are the same except for different viscosities. These materials are very inert physiologically, and our work on them has been limited.

In repeated doses of polyvinyl ether to rats, our laboratories found that 10 per cent in the diet (10.4 grams per kilogram body weight per day) had no adverse effects on the animals.

To evaluate the irritating properties, a 20 per cent solution in ethyl ether was applied to rabbits' skin, and only a trace of irritation to the skin resulted.

A 10 per cent solution in deodorized kerosene caused no eye injury when instilled in rabbits' eyes.

We trust that this information will be helpful to you. If we may be of further service, please let us know.

Very truly yours,

MEDICAL DIRECTOR

Thomas W. Hale, M. D.
jl

UCC
063329

BAKELITE COMPANY
A DIVISION OF UNION CARBIDE AND CARBON CORPORATION

MEMO.

BA 46-A

To Dr. T. W. Hale N.Y.
From G. P. Sigel N.Y.

Date 4/2/57
Subject Vinyl Ether materials

We would appreciate your advising Mr. I. Davis
of National Adhesives Co 1700 W Front St Plainfield N.J.
concerning the toxicity of the subject materials
(EDBM-EDBC)

I thank you

RECEIVED

APR 4 1957

INDUSTRIAL MEDICINE
TOXICOLOGY DEPARTMENT

UCC
063330