

Manufacturing Chemists' Association, Inc.

(FOUNDED 1872)

1825 Connecticut Avenue, N. W.
WASHINGTON 9, D. C.

MAC-44

MEDICAL ADVISORY COMMITTEE

Minutes of Meeting

Chemists' Club, New York City October 10, 1963

Present

Dr. A. J. Fleming, Chairman	E. I. du Pont de Nemours & Co., Inc.
Dr. C. U. Dernehl	Union Carbide Corporation
Dr. H. H. Golz	American Cyanamid Company
Dr. J. Noe	Wyandotte Chemicals Corporation
Dr. J. F. Osterritter	Celanese Corporation of America
Dr. H. B. Snyder	Humble Oil & Refining Company
Mr. F. G. Stephenson, Secretary	Manufacturing Chemists' Association

Dr. Fleming welcomed Dr. C. V. Dernehl and Dr. J. Noe to committee membership.

1. Minutes of the March 18, 1963 meeting were approved as distributed.

2. MCA Semi-annual Meeting

A panel session on "Executive Health" will be held at the MCA Semi-annual Meeting in New York on November 26th with Dr. H.H. Golz of American Cyanamid Co. as moderator. Participants will be:

Dr. James H. Sterner, Eastman Kodak Company
Dr. Allan J. Fleming, E. I. du Pont de Nemours & Co., Inc.
Dr. Ralph F. Schneider, Standard Oil Co. of New Jersey

3. Chemical Safety Data Sheets

A. New sheets in preparation

1. Paranitroaniline - Monsanto Chemical Co.
2. Methyl Chloroform - The Dow Chemical Company
3. Ethyl glycol monomethyl ether - Union Carbide Corp.

B. Revisions

- a) Phenol. - Details of two fatalities due to exposure to phenol were brought to the attention of the committee.

The medical management section of the proposed revision to SD-4-Phenol was reconsidered in the light of these two incidents which showed that in each case the victim lost consciousness approximately five minutes after exposure (even though he got under the shower without delay) and died in about 20 minutes. Dr. Dernehl recalled a similar case in which the man died in the shower. Subsequent research revealed that water is as effective as other substances tested (alcohol, ferric chloride, soap solution etc) in removing phenol from the skin.

After discussion it was agreed to change 10.1.2.1 to include the sentence "collapse and death may occur in a few minutes after massive exposure in spite of prompt emergency care".

Changes to other portions of the medical management sections and to 5.2.2.5 "Body, Skin and Hand Protection" were also recommended. This section may be changed to:

" Intermittent skin contact with trace amounts of liquid phenol may produce dermatitis at the site of contact. Sustained skin contact may cause serious or fatal systemic illness.

" Clothing made of neoprene or other impervious material may be worn to protect the body against phenol splashes. It is imperative that contaminated clothing be removed promptly and laundered before re-use. Affected areas of the body should be washed thoroughly with soap and water (except the eyes which should be washed with water). As a general hygienic measure, facilities for personal cleanliness should be provided and washing before lunch and at the end of the work day should be encouraged."

b) Other revisions in preparation

SD-12 Carbon Disulfide - Dr. A. J. Fleming
(Technical sections being prepared by FMC)
SD-11 Perchloric acid solution - U.C.C.
(Technical sections being prepared by Allied Chemical)
SD-21 Nitrobenzene - Dr. Golz
SD-22 Methanol - Dr. Osterritter
SD-23 Calcium Carbide - Dr. Golz
SD-24 Perchloroethylene - Dr. Fleming
SD-29 Ethyl ether - Dr. Dernehl
SD-30 Sodium Cyanide - Dr. Fleming
SD-31 Acrylonitrile - Dr. Golz

4. Handling of medical and toxicological injuries by individual firms.

From time to time companies receive requests for information on the toxicology of their products or for medical advice. Such requests are frequently first received by the Sales Department and are passed on to the Medical Department for handling.

5. Rules of Organization and Procedure

The secretary announced that the Rules of Organization and Procedure as recommended by the Committee at its March 18, 1963 meeting have been approved by the MCA Board of Directors.

6. The Committee considered a proposal by Dr. K. P. Whitehead, Division Medical Officer, Imperial Chemical Industries that MCA accident case histories should include a note to indicate treatment given in those cases which are not mechanical injuries. It was agreed that the proposal is not practicable.

Minutes subject to approval

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10/24/63