

MANUFACTURING CHEMISTS' ASSOCIATION, INC.
MINUTES OF MEETING
LABELS AND PRECAUTIONARY INFORMATION COMMITTEE
Shoreham Hotel, Washington, D. C., January 24-25, 1951

Chairman Low called the meeting to order at 10:00 A.M. The following members and guests were present:

Messrs. F. S. Low, Chairman	W. A. Knapp
T. R. Aalto	R. D. Minter
*F. Bartenstein	W. W. Sunderland
*G. W. Benbury	J. S. Walker
A. Q. Butler	J. B. Williamson
A. G. Cranch	W. W. Yeager (for G. E. Brewer)
J. H. Foulger	M. F. Crass, Jr.
J. T. Fuess	D. E. Campbell, Secretary
S. J. Hill	

Guests: G. M. Douthett, J. T. Baker Chemical Company
A. S. Eichorn, The Harshaw Chemical Company
T. W. Nale, Carbide & Carbon Chemicals Division,
Union Carbide & Carbon Corporation
F. D. Sparre, E. I. du Pont de Nemours & Company, Inc.
*Wednesday only.

1. ILLINOIS CODE

Mr. Minter reported on the Illinois regulations stating that the latest draft includes the principles as stated in the LAPI Manual. These will probably be made the final regulations as determined at the remaining hearings. A public hearing has been announced for March 7, 1951, at 160 North LaSalle Street, in Chicago. It was noted that the laws at present contain no reference to LAPI.

Of further interest to members concerning this subject is the publication by the Federal Security Agency, entitled "Industrial Health Legislation", a compilation of state laws and regulations. Unfortunately, this manual is now out of print, but we have been advised by the agency that efforts are being made to revise the manual to include 1950 and 1951 laws and to have it republished at the end of this year. The committee will be informed of any such action, and a request has been directed to the FSA for copies.

Also of interest is a booklet published by the American Standards Association, Inc., entitled "National Recognized State Laws and Local Ordinances", a report by Committee Z56 on model laws and ordinances, obtainable from the American Standards Association, Inc., 70 East 45th Street, New York 17, New York. The price for non-members is \$1.00 per copy.

2. MODEL REGULATIONS

Mr. Fred Bartenstein reported on the work of his committee and submitted a rough draft of model regulations which was distributed at the meeting.

Members have been asked to submit any suggestions regarding the proposed model regulations to Mr. Bartenstein and his committee, with copy to the Washington office.

3. REVISION OF MANUAL L-1

Dr. Knapp reported for the subcommittee that the consensus of opinion was that there is no present need for revision of the manual. The only changes that would be made would include minor changes in a few of the labels and the addition of new labels.

It was moved, seconded, and voted that the revision of LAPI Manual L-1 be postponed until such time as a reprinting is necessary, at which time the suggested changes by the Revision Committee will be made. The changes noted by the committee were as follows:

- ✓ Carbon Tetrachloride - Minutes of May 3-4, 1950, p. 4; Supplement, p. 1
- ✓ Hydrochloric Acid, Anhydrous - Minutes of May 3-4, 1950, p. 4
- ✓ Ethylene Oxide - Minutes of May 3-4, 1950, p. 7; Minutes of Sept. 27-28, 1950, p. 6
- ✓ Methyl Chloride - Minutes of Sept. 27-28, 1950, p. 5
- ✓ Allyl Alcohol - Add: X POISON X
 First Aid Treatment.- Antidote
- ✓ Parathion - (See Item 9(f) below.)
- ✓ Sodium Sesquisilicate - Add: "Anhydrous" as per LAPI Minutes of
 May 3-4, 1950, p. 10
- ✓ Hydrocyanic Acid - DANGER! POISON GAS
 FLAMMABLE
 (or EXTREMELY FLAMMABLE)
- ✓ Chromium Chemicals - Letter of M. F. Crass, Jr. to LAPI Committee
 members, dated April 18, 1950.

Labels Suggested by U. S. Public Health Service - Letter of M. F. Crass, Jr. to LAPI Committee members, dated June 23, 1949.

Formaldehyde -

The committee suggested that the revised carbon tetrachloride label should be publicized as generally as possible and has left this action to the Washington and New York offices of the Association.

3. COLLABORATION WITH ACS COMMITTEE ON HAZARDOUS CHEMICALS

Mr. Crass reported on his contact with Mr. Emery of the ACS. They suggested that a small group be assembled representing the LAPI Committee and the ACS Committee

to discuss mutual problems and possible means for solution thereof. It was noted that this should be handled by as small a committee as possible in the hope that the ACS Committee could be persuaded to either revise or drop copy and publicity which is now out of line with present accepted standards.

Dr. Cranch was appointed by Mr. Low to represent the LAPI and General Safety Committees, and will meet with the ACS delegate after Mr. Crass has made the appropriate arrangements with Mr. Emery of the Society.

5. POST OFFICE REGULATIONS

It was reported that the Tagliabue closed cup standard is now the accepted method for testing under post office flammable liquid regulations at the 20° and 40° F. levels. This action has been taken with the advice of the Bureau of Standards who felt the closed cup was more accurate at lower temperatures. The open cup test remains standard at the 80° F. level. This duality of methods is objectionable, but nothing can be done to change it at the present time.

Progress was noted on the regulations covering the mailability of poisonous materials. The law permits the post office to issue regulations and the post office is now considering relaxing the present stringent requirements to permit shipments of poisonous materials for scientific use. Three classifications have been proposed by the post office:

Post Office Poison Proposals

Three classifications proposed -

- (a) Poisonous drugs and medicines
- (b) Materials for scientific use
- (c) Insecticides

For products of 10 mg/kilo toxicity or less:

5 gm. if drug or for scientific use
Insecticides not acceptable

10 - 50 mg/kilo - 4 oz. liquid
18 oz. solid

50 - 250 mg/kilo - 16 oz. liquid
5 lb. solid (drugs and research chemicals)

50 - 500 mg/kilo - 16 oz. liquid
5 lb. solid (insecticides)

Any other poison category permitted where toxicity is greater than 250 mg.:

500 - 2,500 mg/kilo - 32 oz. glass
1 gal. metal
10 lbs. solid

2,500 mg. or greater - no regulation other than quantity

It was noted that there will be public hearings later in the Spring on the proposals.

The post office has authorized the hiring of a qualified organic chemist toxicologist to correlate decisions listing mailable and non-mailable chemicals which will be printed in the Federal Register, and the MCA has been requested to nominate qualified personnel for this job and this has already been done.

The committee discussed the fact that the post office regulations are based on toxicity determined on oral intake whereas skin contact and inhalation are definite factors which should be considered in mailability. Mr. Butler, reporting on the post office hearing on drug labeling, stressed the relationship of packaging and toxicity. He noted that the post office will make no regulation based on the relationship of toxicity and packaging. The Secretary will transmit the committee's views to the Post Office Department.

6. NEW YORK STATE DEPARTMENT OF SAFETY REGULATIONS FOR HAZARDOUS MATERIALS

Mr. Low reported on the meeting of the New York Department of Safety which was also attended by Mr. Hill. The meeting was held in Albany, New York, and was for the most part a consideration of fire hazards. It was agreed to segregate the study into two divisions so that chemicals would not all be included in the fire hazard category. A meeting has been scheduled for February 14 in Albany, New York, which will be attended by Messrs. Crass, Minter, Fuess, and Low.

7. NEW YORK CITY FIRE CODE

Mr. Hill reported that no action had been taken but that a meeting of the committee would be held in New York on January 29.

8. DEFINITION OF COMBUSTIBLE

The committee received and noted the reports from the Traffic, Miscellaneous, and Metal Packages Committees.

The committee moved, seconded, and voted to appoint a subcommittee to implement the adoption of the Combustible definition as accepted at the meeting of the committee in New York on September 27-28, 1950. Mr. Fuess was appointed chairman with Mr. Hill, and other members to be appointed as the subcommittee chairman deems necessary.

9. TOXICOLOGICAL TESTING

After some discussion, it was moved, seconded, and voted that this subject be brought to the attention of the Board of Directors as a continuing problem and one for ever-increasing concern, and that the matter be dropped from the agenda of the LAPI Committee.

It was moved, seconded, and voted that the LAPI subcommittee considering the question of toxicological testing be instructed to prepare a suitable memorial to be submitted to the Board of Directors.

10. SUBMISSION OF NEW LABELS

a. Ethylene Dibromide. Mr. Low agreed to furnish copies of the revised labels to members of the committee.

b. Sodium Chlorate. Mr. Benbury reported that after review of the existing labels in the LAPI Manual, there were no suggested changes by the subcommittee.

c. Niter Cake. Mr. Williamson reported that a label was formulated as follows:

CAUTION! MAY CAUSE SKIN IRRITATION
AVOID CONTACT WITH SKIN AND EYES

This label appears to conform with LAPI principles and any product variation will account for variation in individual labels.

d. Benzyl Chloride. There are no changes to be suggested in the label at the present time. If the manual is revised at a later date, the label should be reconsidered.

e. Ammonium Perchlorate. Mr. Douthett reported on the following label which was approved for reagent bottle use. When used on a commercial package, the label should be revised in accordance with LAPI principles.

DANGER! STRONG OXIDANT
CONTACT WITH COMBUSTIBLE MATERIAL MAY CAUSE FIRE

All clothing contaminated with perchlorates is dangerously flammable,
remove and wash thoroughly with water.

Do not get on floor.

Spillage may cause fires with combustible material,
sweep up and remove immediately.

When not in use keep tightly closed in original container.

Keep away from fire.

Store separately from flammable material.

f. Parathion. The parathion labels were presented by Mr. Williamson and his subcommittee and considered at length by the LAPI Committee. After two questions have been cleared up and the labels approved by the USDA, they will be circulated to members of the committee.

g. Allyl alcohol.

DANGER! EXTREMELY HAZARDOUS LIQUID AND VAPOR
RAPIDLY ABSORBED THROUGH SKIN
FLAMMABLE

Do not get in eyes, on skin, on clothing.

Do not breathe vapor.

Do not take internally.

Keep away from heat and open flame.

Keep container closed.

In case of contact, immediately remove all contaminated clothing
and flush skin or eyes with plenty of water for at least 15
minutes; for eyes, get medical attention. Wash clothing before
re-use.

X POISON X
FIRST AID TREATMENT - ANTIDOTE

h. Dr. Cranch submitted the following list of titles of safety data sheets to be issued within the next year, and the following subcommittees have been appointed by Mr. Low:

Bromine	- Messrs. Sunderland and Low	<i>Handwritten: Dr. Cranch submitted in August, 1941</i>
Chromic Acid	- Dr. Cranch and Mr. George E. Best, Mutual Chemical Company.	
Hydrogen Peroxide	- Messrs. Hill, Benbury, and F. A. Gilbert (Assistant to the President), Buffalo Electro-Chemical Company.	<i>Handwritten: Lead Chloride</i>
Lead Dioxide	- Messrs. Butler and Manfred Bowditch (Lead Industries Association).	
Sodium (metallic)	- Mr. Hill	
Zinc Chloride	- Messrs. Hill and Butler	
Sulfur Dioxide	- Messrs. Minter, Sunderland, and a representative from Virginia Smelting Company.	
Acetic Acid and Acetaldehyde	- Messrs. Fuess, Minter, and Cranch.	
Furfural	- Mr. Fuess and a representative of the Quaker Oats Company	
Toluene, Cresol, Naphthalene, Pyridine	- Mr. Brewer and two representatives suggested by Koppers Company, Inc., U. S. Steel Corp., The Barrett Division, and Reilly Tar & Chemical Corp.	

11. REUSE OF CYANIDE CONTAINERS

Dr. Cranch reported that this subject had been referred to the container committees at their Fall meetings. These committees considered the question and referred the matter to the Legal Advisory Committee. The LAPI Committee will withhold consideration of labels for reuse until the Legal Advisory Committee has reported.

12. NFPA WARNING LABELS FOR CONTAINERS OF FLAMMABLE MIXTURES

Mr. Fuess discussed the Minutes of the joint meeting with NFPA, copies of which were circulated to the committee at the meeting, and noted that the joint committee was in accord with LAPI principles. The question of the combustible definition was considered by this committee and they have included it in their proposed definitions.

13. LAPI LABELS IN THE NEW "CONDENSED CHEMICAL DICTIONARY"

Mr. Walker reported on the "Condensed Chemical Dictionary" which cites the fact that labels in the book are supposed to coincide with MCA labels. There are, in fact, several variances with labels and labeling principles as stated by the LAPI Committee. The committee suggested that the Secretary's office be instructed to communicate with the Reinhold Publishing Company and bring the variations to their attention.

14. SURGEON GENERAL'S AGREEMENTS

Dr. Cranch reported that there had been no formal abrogation of the Surgeon General's agreements. The Surgeon General has, however, requested that firms continue

using the stamps on all invoices. The committee suggested that in view of the broad agencies of control now available, it would appear to be advisable to abrogate the agreements. The committee authorized Dr. Cranch to move the abrogation of agreement and move for the further adoption of LAPI principles.

15. ADHESIVE ON LABELS

Mr. Minter reported that his firm had noted some serious fading of red "Poisonous" labels. The committee suggested that his printer be contacted with a suggestion for use of non-fading red ink.

16. NEXT MEETING

It was voted that the next meeting of the committee should be held in St. Louis on the 23rd and 24th of May, 1951.

Arrangements have been made by Mr. Butler with the Hotel Jefferson. The meeting will be called for 2:00 P.M. on May 23, to be continued on the 24th. Members may make reservations directly with the hotel, referring to the committee meeting and with a copy of their letter to the Washington office.

DOUGLAS E. CAMPBELL
Secretary

MINUTES APPROVED BY: F. S. Low
Chairman