

Manufacturing Chemists' Association, Inc.

(FOUNDED 1873)

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

PLAINTIFF'S
EXHIBIT
CMA-166

MINUTES OF MEETING
LABELS AND PRECAUTIONARY INFORMATION COMMITTEE
SUITE C-340 - SHERATON-PARK HOTEL
WASHINGTON, D. C.

WEDNESDAY & THURSDAY
FEBRUARY 14 & 15, 1961

The meeting came to order at 9 A.M. on Wednesday, February 14, 1961.

PRESENT

Chester L. French, Chairman
Edward J. Hogan, Vice Chairman
Fred Ebersole

J. T. Gormally
Edward J. Masek
Harry H. McIntyre
J. A. Mooney

Thomas W. Nale, M.D.
John F. Osterritter, M.D.
C. Boyd Shaffer
F. D. Sparre

Ralph G. Troup
N. G. White
James D. Kittelton, Secretary

Mallinckrodt Chemical Works
Allied Chemical Corporation
General Aniline & Film
Corporation
Pennsalt Chemicals Corporation
Diamond Alkali Company
The Dow Chemical Company
Food Machinery and Chemical
Corporation
Union Carbide Corporation
Celanese Corporation of America
American Cyanamid Company
E. I. du Pont de Nemours & Co.,
Inc.
J. T. Baker Chemical Company
Shell Chemical Company
Manufacturing Chemists'
Association, Inc.

GUESTS

Joseph A. Noone
Donald P. Smoot

National Agricultural Chemicals
Association
Stauffer Chemical Company

ABSENT

Robert H. Dewey
James T. Fuess

Commercial Solvents Corporation
Eastman Organic Chemicals Dept.,
Distillation Products Industries

James W. Hammond
Sanford J. Hill

George E. Merryman, Jr.
Richard F. Philpitt

G. Robert Sido
N. E. Wendt

Humble Oil & Refining Company
E. I. du Pont de Nemours & Co.,
Inc.

Union Carbide Canada Limited
Olin Mathieson Chemical
Corporation

Monsanto Chemical Company
American Potash & Chemical
Corporation

It was moved, seconded and voted

THAT, The minutes of the meeting of
January 25-26, 1961 stand approved.

5.0 MANUAL REVISION

PART III

A. PREFACE

Mr. Sparre pointed out that there was one error and one omission in the minutes of the meeting of November 30-December 1, 1960 concerning the Revision of Part III of the Manual. One change which should have been recorded was in the statement appearing in the first full paragraph on page 81, now reading "Poisonous if swallowed or by absorption through skin." The phrase "by absorption" would be changed to read "absorbed."

Mr. Sparre also pointed out that the 14th note on page L-376 was inaccurate. The statement "Avoid contamination of feed and foodstuffs" should be inserted in place of the statement "Avoid contamination of food." The statement "Keep away from children and domestic animals" would be retained.

In the Preface, in the last line on the bottom of page 81, it was agreed that the phrase "Since they tend to detract should be changed to read "Since this tends to detract". It was also agreed that the words "prominence and" appearing in the first line on page 82 of the Manual should be deleted.

It was also agreed that the word "statement" now appearing in the second full paragraph, line 10, on page 80, should be changed to "text."

B. LETTER FROM H. MORAS OF STAUFFER CHEMICAL COMPANY

The Committee discussed the letter which Mr. Sparre had received from Mr. Henry Moras of Stauffer Chemical Company concerning use of the statement, "May Be Fatal If Swallowed." A copy of this letter dated September 6 was attached to the Pesticide Subcommittee minutes of October 12, 1960.

This subject was thoroughly discussed by the Committee and the conclusion was reached that no change in LAPI policy was indicated. Mr. Sparre will relay this decision to Mr. Moras.

C. REVISIONS

CHEMICAL

PAGE IN MANUAL L-1

(1) ACRYLONITRILE

(82)

It was agreed to add the word "sparks" to the statement, "Keep away from heat and open flame."

(2) ALDRIN

(83-84)

It was agreed to add a comma after "Inhalation" in all three ALDRIN labels.

(3) ANTU, ARAMITE

(84-85)

It was agreed to delete precautionary labels for the two chemicals.

(4) ARSENICALS, LIQUID (WEED KILLERS)

(85)

It was agreed to change the title of this chemical to "ARSENICAL WEED KILLERS, INORGANIC."

(5) BARIUM FLUOSILICATE

(86)

A label for this chemical was deleted, since it is no longer used extensively.

(6) CALCIUM ARSENATE

(87)

The contact statement was changed to read "Avoid contact with skin, eyes, and clothing."

(7) CALCIUM CYANIDE

(87)

It was agreed to change this precautionary label to

match the revised label for Part II. "Antidote" would be retained.

(8) CAPTAN (87)

It was agreed to delete the chemical name and to shift the first precautionary measure to last place.

(9) CHLORANIL (87)

It was agreed to delete the chemical name and to add the statement, "Avoid breathing dust."

(10) p-CHLOROPHENYL -CHLOROBENZENESULFONATE (90)

It was agreed to change the title to "OVEX" and to retain the chemical name. OVEX would then follow "NICOTINE DUSTS."

(11) CYANIDES, INORGANIC (91)

It was agreed to change this label to match the label in Part II. "Antidote" would be retained.

(12) DALAPON SODIUM SALT (92)

It was agreed to delete the chemical name now in parenthesis.

(13) DICHLONE (92)

The Committee agreed to delete the chemical name and to revise the label to read:

DICHLONE

CAUTION! MAY CAUSE SKIN IRRITATION

Avoid contact with skin, eyes, and clothing.
Wash hands and face thoroughly with soap and
water after handling.

Store away from feed and foodstuffs.

(14) DICHLORODIPHEYL DICHLOROETHANE (92)

It was agreed to change the title to "DDD" with the chemical name in parenthesis. "TDE" will be omitted.

- (15) DICHLORODIPHENYL TRICHLOROETHANE (93)

It was agreed to change the title to "DDT" and to place the chemical name in parenthesis.

- (16) DICHLOROETHYL ETHER (93)

It was agreed to use the revised Part II label for this chemical.

- (16) 2,4-DICHLOROPHENOXYACETIC ACID (94)

It was agreed to change the title to "2,4-D" and to put the chemical name and the words, "and Derivatives" in parenthesis.

- (18) ETHYL MERCURY CHLORIDE (97)

The note under "2. Solutions:" was changed to read:

--- "The above label may require additional statements of hazards for solutions since in this form the chemical may be absorbed through the skin and thus be poisonous by skin contact."

- (19) ETHYLENE DIBROMIDE (98)

The Committee agreed to adopt the following text for this chemical for inclusion in Part III:

ETHYLENE DIBROMIDE

WARNING! HARMFUL LIQUID AND VAPOR
CAUSES SKIN IRRITATION, AND BURNS
ON PROLONGED CONTACT
ABSORBED THROUGH SKIN

Avoid breathing vapor.

Avoid contact with skin, eyes, and clothing.

Do not take internally.

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

(Label continued on next page)

ETHYLENE DIBROMIDE (Continuation of label from page L-401)

NOTE: Directions for Use should include instructions for adequate ventilation or respiratory protection when the product is being handled. Since mixtures with hydrocarbon - or halogenated hydrocarbon - type solvents may be more hazardous, even "highly toxic," labels should bear precautionary information covering the hazards of the mixture.

(20) ETHYLENE DICHLORIDE (98)

The Committee agreed to adopt the following text for this chemical for inclusion in Part III:

ETHYLENE DICHLORIDE

WARNING! FLAMMABLE
VAPOR HARMFUL

Keep away from heat, sparks, and open flame.
Keep container closed.
Avoid breathing of vapor.
Avoid prolonged or repeated contact with skin.
Do not take internally.

NOTE: Directions for Use should include instructions for adequate ventilation or respiratory protection when the product is being handled.

(21) FERBAM (99)

It was agreed to move up the statement "Keep away from fire or sparks" so that it follows right after the other precautionary measures.

(22) FORMALDEHYDE SOLUTIONS (99)

It was agreed to change this label to agree with the revised label in Part II. "Antidote" would be retained.

(23) GLYODIN (99)

It was agreed to delete a label for this chemical from Part III of the revised Manual.

(24) HYDROCYANIC ACID (100)

The label for this chemical will be changed to agree with the revised Part II label.

(25) LEAD ARSENATE (101)

The second precautionary measure was changed to read, "Avoid contact with skin, eyes and clothing."

(26) MALATHION (102)

In the first label for MALATHION Technical it was agreed to change the statement of hazard to: "HARMFUL IF SWALLOWED OR INHALED." The last precautionary measure was also amended to read, "Wash contaminated clothing before re-use."

In the second label it was agreed to add the statements, "Avoid contamination of feed and foodstuffs" and "Keep out of reach of children."

(27) METHYL BROMIDE (103)

It was agreed to revise the text for the label of this chemical to agree with the Part II label.

(28) NICOTINE DUSTS (105)

It was agreed to change the first precautionary measure to read, "Avoid exposure to dust."

(29) PARATHION (105-107)

1. PARATHION Technical -- It was agreed to add a comma after "inhalation" in the first statement of hazard. It was also agreed to add "goggles" after the words "Wear clean, heavy rubber gloves....."
2. PARATHION Wettable Powders and Dusts (25% or less)-- It was also agreed here to add a comma after "inhalation" in the first statement of hazard and to indent the words, "Be Increasingly Hazardous."

It was agreed to add the word, "goggles" after the words, "Wear clean, heavy rubber gloves." It was agreed that the respirator statement would be changed to read "Wear mask or respirator....." It was agreed

that the following statements would be added at the end of the storage part of the label: "Stay out of smoke when burning containers. Keep out of reach of children and domestic animals."

PARATHION FIRST AID -- It was agreed that at the beginning of the "Physician's Note" the following statement would be added, "This product is a cholinesterase inhibitor."

(30) SODIUM FLUORIDE, SODIUM FLUOSILICATE (111)

It was agreed to add the following text for these chemicals to the revised Manual:

"CAUTION! HARMFUL IF SWALLOWED

Avoid prolonged breathing of dust or spray mist.
Avoid contamination of feed and foodstuffs.
Keep away from children and domestic animals
Clean up spillage."

(31) TETRAETHYL PYROPHOSPHATE (112)

It was agreed to change the concentration statement from "1% and over" to "any effective concentration." It was also agreed to add the PARATHION label from page 106 with the following changes:

1. The statement in the PARATHION label reading "Do not get on skin, on clothing" would be changed to read "Do not get in eyes, on skin, on clothing."
2. The standard contact statement regarding flushing with plenty of water would be added to the label.

(32) THALLIUM SULFATE (112)

It was agreed to change the concentration statement from "1% and over" to "any effective concentration."

(33) TOXAPHENE (112)

In the label for dry formulations (25% and over) it was agreed to change the second statement of hazard to read "MAY BE HARMFUL BY SKIN ABSORPTION."

- (34) 2,4,5-TRICHLOROPHENOXYACETIC ACID (114)

It was agreed to begin the name with "2,4,5-T" and to place the chemical name in parenthesis.

- (35) ZINC PHOSPHIDE (10% and over) (115)

It was agreed to change the name of this chemical to "ZINC PHOSPHIDE FORMULATIONS (10% and over)."

D. NEW LABELS

The Committee considered the new labels drafted by Mr. Sparre's Pesticide Subcommittee and agreed on the following texts for them:

- (1) 3-(alpha-ACETONYL FURFURYL)-4-HYDROXYCOUMARIN and SODIUM SALT

(Text of WARFARIN labels from page 114 of present edition of Manual L-1.)

- (2) ALLYL ALCOHOL

DANGER! EXTREMELY HAZARDOUS LIQUID AND VAPOR
RAPIDLY ABSORBED THROUGH SKIN

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.
Washing clothing before re-use.

☒ POISON ☒

(Antidote)

Note: Directions for Use should include instructions for adequate ventilation or respiratory protection as well as the use of neoprene gloves and goggles when product is being handled. If product exhibits Tag. Open cup flash point of 80° F. or less, appropriate flammability statements must be added.

- (3) 2-CARBOMETHOXY-1-METHYLVINYL DIMETHYL PHOSPHATE and beta isomer

1. Technical Material and Formulations above 2%:

DANGER! POISONOUS BY SWALLOWING, INHALATION, OR SKIN CONTACT
RAPIDLY ABSORBED THROUGH SKIN
REPEATED EXPOSURE MAY, WITHOUT SYMPTOMS, PROGRESSIVELY INCREASE SUSCEPTIBILITY TO POISONING BY THIS PRODUCT

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

Wear clean, heavy rubber gloves, goggles, clean, waterproof or freshly laundered protective clothing (coveralls, rubber boots, cap, etc.). Replace gloves frequently and destroy used gloves. Wash thoroughly with soap and water after handling and before eating or smoking.

Bathe immediately after work and change all clothing. In case of contact, immediately remove all contaminated clothing and wash skin with soap and water; for eyes, flush with plenty of water for 15 minutes and get medical attention. Wash clothing before re-use.

Do not breathe dust, vapor, or spray mist.

Wear a mask or respirator of a type passed by U. S. Department of Agriculture for protection against this product.

Do not contaminate food or feed products.

Keep out of the reach of children and domestic animals. In case of spillage, wash down with large amounts of water.

Decontaminate areas and equipment by washing with strong lye solution.

Empty containers are to be destroyed by burning or burying; never re-use. Stay out of smoke when burning containers.

☒ POISON ☒

First Aid

Note: For technical material and manufacturing concentrations add after statements of hazard: BEFORE USING, consult manufacturer for safe handling instructions.

2. Formulations (2% or less):

WARNING! POISONOUS IF SWALLOWED, INHALED,
OR ABSORBED THROUGH SKIN
RAPIDLY ABSORBED THROUGH SKIN

Do not swallow or get in eyes or on skin.

Wear clean rubber gloves, protective clothing,
and goggles. Replace gloves frequently and
destroy used gloves.

Wash thoroughly with soap and water after handling
and before eating or smoking.

In case of contact, immediately remove all contaminated
clothing and wash skin with soap and water; for eyes,
flush with plenty of water for at least 15 minutes
and get medical attention.

Do not breathe dust, vapor or spray mist.

Wear a mask or respirator of a type passed by U. S.
Department of Agriculture for protection against
this product.

Do not contaminate food or feed products.

Keep out of reach of children and animals.
Empty containers are to be destroyed by burning
or burying. Stay out of smoke when burning
containers.

☒ POISON ☒

First Aid

Note: Labels should bear a statement relative to the
protection of persons and animals in treated and
adjacent areas.

FIRST AID - 2-CARBOMETHOXY-1-METHYLVINYL DIMETHYLPHOSPHATE

☒ POISON ☒

ATROPINE IS THE EMERGENCY ANTIDOTE FOR POISONING
BY THIS PRODUCT

Consult physician about obtaining an adequate supply
of 1/100 grain atropine tablets for emergency use.

(Label continued on next page)

2-CARBOMETHOXY-1-METHYLVINYL DIMETHYLPHOSPHATE
(Continuation of label from page L-407)

CALL A PHYSICIAN IN ALL CASES OF
SUSPECTED POISONING

INTERNAL: If swallowed, induce vomiting by introducing
finger down throat or by giving 1 tablespoon of salt
in a glass of warm water.

NEVER GIVE ANYTHING BY MOUTH TO
AN UNCONSCIOUS PERSON

EXTERNAL: If spilled on skin, immediately remove patient
from vicinity of the insecticide, remove all con-
taminated clothing, and wash skin with soap and running
water. If material gets into eyes, wash immediately
with running water for at least 15 minutes.

IF WARNING SYMPTOMS APPEAR: Administer two 1/100 grain
atropine tablets immediately.

NEVER ADMINISTER ATROPINE UNLESS WARNING
SYMPTOMS APPEAR

Keep patient prone and quiet.
Start artificial respiration immediately if patient is
not breathing.
Transport the patient immediately to the nearest physician.

NOTE TO PHYSICIAN: This product is a cholinesterase
inhibitor. Warning symptoms include weakness, headache,
tightness in chest, blurred vision, un-reactive pinpoint
pupils, salivation, sweating, nausea, vomiting, diarrhea
and abdominal cramps.

TREATMENT: Atropine is the specific therapeutic antagonist
of choice against the parasympathetic nervous stimulation.
If there are signs of parasympathetic stimulation, atropine
sulfate should be injected at 10 minute intervals, in
doses of 1 to 2 milligrams, until complete atropinization
has occurred. Morphine is contraindicated. Clear chest
by postural drainage. Oxygen administration may be neces-
sary. Observe patient continuously for 48 hours. Re-
peated exposure to cholinesterase inhibitors may, without
warning, cause prolonged susceptibility to very small
doses of any cholinesterase inhibitor. Allow no further
exposure until time for cholinesterase regeneration has
been allowed as determined by blood test.

(4) 2-CHLOROALLYL DIETHYLDITHIOCARBAMATE

1. Dry Formulations:

WARNING! HARMFUL IF SWALLOWED
MAY CAUSE IRRITATION ON SKIN AND EYES

Do not get in eyes, on skin, on clothing.
Wear goggles and rubber gloves when handling.
Avoid contamination of feed and foodstuffs.
In case of contact, immediately remove
contaminated clothing and wash skin with soap
and plenty of water; for eyes, flush with
plenty of water for at least 15 minutes and
get medical attention. Washing clothing before
re-use.

2. Emulsifiable Formulations:

Since various solvents which differ in toxic
properties may be used, labels should bear pre-
cautionary information covering the combined
hazards of 2-CHLOROALLYL DIETHYLDITHIOCARBAMATE
and solvent.

(5) alpha-CHLORO-N-N-DIALLYLACETAMIDE

1. Dry Formulations:

WARNING! MAY CAUSE EYE INJURY AND SKIN IRRITATION
VAPOR IRRITATING TO EYES

Do not get in eyes, on skin, on clothing.
Do not take internally.
Wear rubber gloves and goggles when handling.
In case of contact, immediately remove contaminated
clothing and wash skin with soap and plenty of
water; for eyes, flush with plenty of water for
at least 15 minutes and get medical attention.
Wash clothing before re-use.

2. Emulsifiable Formulations:

Since various solvents which differ in toxic
properties may be used, labels should bear pre-
cautionary information covering the combined
hazards of alpha-CHLORO-N-N-DIALLYLACETAMIDE
and solvent.

(6) 1,1-bis(CHLOROPHENYL)-2,2,2-TRICHLOROETHANOL

1. Dry Formulations (over 10%):

CAUTION!

Avoid repeated skin contact.
Avoid breathing dust or spray mist.
Do not take internally.
Avoid contamination of feed and foodstuffs.
Wash thoroughly after handling.

2. Dry Formulations (10% or less):

CAUTION!

Avoid breathing dust.
Avoid contamination of feed and foodstuffs.

3. Emulsifiable Formulations:

Since various solvents which differ in toxic properties may be used, labels should bear precautionary information covering combined hazards of this product and solvent.

(7) 1,2-DIBROMO-3-CHLOROPROPANE

1. Technical Product:

WARNING! HARMFUL LIQUID AND VAPOR
MAY BURN SKIN AND EYES
CAUSES IRRITATION OF NOSE AND THROAT
MAY BE ABSORBED THROUGH SKIN

Do not breathe vapor.
Avoid contact with eyes, skin, and clothing.
Use only with adequate ventilation.
Do not take internally.
In case of contact, immediately remove contaminated clothing, including shoes, and wash skin with soap and water; flush eyes with plenty of water for at least 15 minutes and get medical attention.
Wash clothing and air shoes thoroughly before re-use.
Store away from domestic animals and dwellings and out of the reach of children.

(Label continued on next page)

1,2-DIBROMO-3-CHLOROPROPANE (Continuation from page L-410)

2. Dry Formulations (20% and over):

WARNING! HARMFUL DUST AND VAPOR
MAY BURN SKIN AND EYES
CAUSES IRRITATION OF NOSE AND THROAT
MAY BE ABSORBED THROUGH SKIN

Do not breathe vapor.
Avoid contact with eyes, skin, and clothing.
Use only with adequate ventilation.
Do not take internally.
In case of contact, immediately remove contaminated clothing, including shoes, and wash skin with soap and water; flush eyes with plenty of water for at least 15 minutes and get medical attention. Wash clothing and air shoes thoroughly before re-use.
Store away from domestic animals and dwellings and out of the reach of children.

3. Dry Formulations (less than 20%):

CAUTION! MAY CAUSE IRRITATION OF SKIN, EYES, NOSE, AND THROAT

Avoid contact with skin, eyes, and clothing.
Avoid prolonged breathing of vapors or dust.
Do not take internally.
Wash thoroughly with soap and water after handling and before eating or smoking.
Keep out of the reach of children and domestic animals.

4. Solutions and Emulsifiable Formulations:

Since various solvents which differ in toxic properties may be used, labels should bear precautionary information covering the combined hazards of this product and solvent.

(8) DICHLOROPROPENE - DICHLOROPROPANE MIXTURE

WARNING! HAZARDOUS LIQUID AND VAPOR
MAY BE FATAL IF SWALLOWED, INHALED, OR
ABSORBED THROUGH SKIN
CAUSES BURNS TO SKIN AND EYES

Do not get in eyes, on skin, on clothing. Wear goggles and polyethylene gloves when handling.
Do not breathe vapor.
Use only with adequate ventilation.
Keep away from heat and open flame.
Keep container closed.
Keep out of reach of children.
Do not contaminate feed and foodstuffs.
Do not store near seeds, fertilizers, or plants.
In case of contact, immediately remove all contaminated clothing including shoes and wash skin thoroughly with soap and water; for eyes, flush with water for at least 15 minutes and get medical attention. Wash clothing and air shoes thoroughly before re-use.

Note: Direction for Use should include instructions for respiratory protection when the product is being handled in enclosed areas.

(9) DIETHYL DIPHENYL DICHLOROETHANE (1,1-DICHLORO-2,2-bis (p-ETHYLPHENYL) ETHANE)

1. Technical:

CAUTION! ABSORBED THROUGH SKIN WHEN IN SOLUTION

In case of skin contact, wash with soap and water.
Avoid breathing dust.

2. Dusts and Wettable Powders:

CAUTION!

Avoid prolonged breathing of dust or spray mist.

3. Solutions and Emulsifiable Formulations:

Since various solvents which differ in toxic properties may be used, labels should bear precautionary information covering the combined hazards of diethyl diphenyl dichloroethane and solvent.

(10) DODINE (DODECYLGUANIDINE ACETATE)

Technical material and Dry Formulations above 50%:

CAUTION! CAUSES EYE IRRITATION

In case of contact with eyes, flush them with plenty of water for at least 15 minutes and get medical attention.

(11) HEXAETHYL TETRAPHOSPHATE

Same labels as TETRAETHYLPYROPHOSPHATE.

(12) MALEIC HYDRAZIDE, DIETHANOLAMINE SALT

CAUTION! MAY BE HARMFUL IF SWALLOWED

Avoid inhalation of spray mist.
Avoid contact with skin, eyes, and clothing.

(13) 1-NAPHTHYL N-METHYLCARBAMATE

CAUTION! HARMFUL IF SWALLOWED OR INHALED

Do not take internally.
Avoid breathing dust.
Avoid prolonged or repeated contact with skin.
Wash thoroughly after handling.
Wash contaminated clothing before re-use.
Avoid contamination of feed and foodstuffs.

(14) PHORATE (O,O-DIETHYL-S-ETHYLTHIOMETHYLPHOSPHORODITHIOATE)
(any effective concentration)

DANGER! POISONOUS BY SKIN CONTACT, INHALATION, OR SWALLOWING
RAPIDLY ABSORBED THROUGH SKIN
REPEATED INHALATION OR SKIN CONTACT MAY, WITHOUT SYMPTOMS, PROGRESSIVELY INCREASE SUSCEPTIBILITY TO PHORATE POISONING

(Label continued on next page)

PHORATE (O,O-DIETHYL-S-ETHYLTHIOMETHYLPHOSPHORODITHIOATE)
(any effective concentration) (Continuation of label from
page L-413)

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

Wear clean, heavy rubber gloves, goggles, and clean waterproof or freshly laundered, protective clothing (coveralls, cap, etc.). Destroy and replace gloves frequently.

Wash thoroughly with soap and warm water before eating or smoking.

Bathe immediately after work and change all clothing.

Wash clothing thoroughly with soap and hot water before re-use.

In case of contact, immediately remove contaminated clothing and wash skin thoroughly with soap and water; for eyes, flush with plenty of water for at least 15 minutes and get medical attention.

Do not breathe dust or vapor.

Wear mask or respirator of a type passed by the U. S. Department of Agriculture for phorate protection.

If handled indoors provide mechanical exhaust ventilation.

Do not store near food or feed products.

Keep out of reach of children and domestic animals. Bury spillage; wash area thoroughly with a solution containing 1 lb. soda ash per gallon of water, to which a water-soluble wetting agent has been added.

Empty containers are to be destroyed by burning or burying; never re-use. Stay out of smoke when burning containers.

☒ POISON ☒

First Aid

(Same first aid as for parathion)

Note: For certain applications, Directions for Use may need to include more detailed instructions for safe handling of this product and materials treated with it. Labels should also bear statements relative to the protection of persons and animals in treated and adjacent areas.

(15) RONNEL (O,O-DIMETHYL-O-2,4,5-TRICHLOROPHENYL PHOSPHOROTHIOATE)

1. Dry Formulations (10-30% inclusive):

CAUTION! HARMFUL IF SWALLOWED

Avoid prolonged breathing of dust or spray mist.
Avoid prolonged or repeated contact with skin.
Wash thoroughly with soap and water after handling and before eating or smoking.
Avoid contamination of feed, foodstuffs, and water supplies.
Keep out of the reach of children.

2. Solutions or Emulsifiable Formulations:

Since various solvents which differ in toxic properties may be used, labels should bear precautionary information covering the combined hazards of ronnel and solvent.

(16) PENTACHLORONITROBENZENE

1. PENTACHLORONITROBENZENE Technical and Dust Formulations:

CAUTION! MAY CAUSE SKIN IRRITATION

Avoid prolonged or repeated contact with skin.
Avoid prolonged breathing of dust.
Wash thoroughly after handling.

2. Wettable Powders:

CAUTION! MAY CAUSE SKIN IRRITATION

Avoid prolonged or repeated contact with skin.
Avoid prolonged breathing of dust or spray mist.
Wash thoroughly after handling.

3. Liquid Formulation:

Since various solvents which differ in toxic properties may be used, labels should bear precautionary information covering the combined hazards of pentachloronitrobenzene and solvent.

(17) SODIUM FLUORIDE

WARNING! MAY BE FATAL IF SWALLOWED

Avoid breathing dust.

Wash thoroughly after handling.

(18) N-TRICHLOROMETHYLTHIOPHTHALIMIDE

Same label as CAPTAN

(19) WARFARIN

Same labels as 3-(alpha-ACETONYLFURFURYL)-4-HYDROXYCOUMARIN

PART II

1. CYANIDES, INORGANIC (Excluding HYDROCYANIC ACID AND CALCIUM CYANIDE)

The Committee next considered the text of the label for CYANIDES, INORGANIC which had been approved at the last Committee meeting. Mr. Sparre presented the comments of his company on this label and the Committee agreed to the following text:

CYANIDES, INORGANIC (Excluding Hydrocyanic Acid and Calcium Cyanide)

DANGER! HAZARDOUS SOLID

CONTACT WITH ACID LIBERATES POISONOUS GAS

Do not breathe gas or dust.

Avoid contact with eyes and skin.

Wash thoroughly after handling.

Do not take internally.

Keep container closed and away from acids, and store in a dry place.

Keep away from feed and foodstuffs.

In case of contact with eyes, flush them with plenty of water for at least 15 minutes and get medical attention.

☒ POISON ☒

(Label continued on next page)

CYANIDES, INORGANIC (Excluding Hydrocyanic Acid and Calcium Cyanide) (Continuation of label from page L-416)

First Aid

Carry patient to fresh air, and have him lie down. Call a physician. Remove contaminated clothing, but keep patient warm. Start treatment immediately.

ANTIDOTE

If Cyanide Gas is inhaled: Break an amyl nitrite pearl in a cloth and hold lightly under nose for 15 seconds. Repeat 5 times at about 15 second intervals. Use artificial respiration if breathing has stopped.

If Cyanide is swallowed: Break an amyl nitrite pearl in a cloth and hold lightly under nose for 15 seconds. If patient is conscious or when consciousness returns give emetic (1 tablespoon of salt to each glass of warm water) and repeat until vomit fluid is clear. Repeat inhalation of amyl nitrite 5 times at about 15-second intervals. Use artificial respiration if breathing has stopped.

Never give anything by mouth to an unconscious person.

2. HYDROGEN PEROXIDE (stronger than 7.4% but not exceeding 52%)

Mr. Sparre reviewed for the Committee the returns from a questionnaire which had been sent out by Mr. C. H. Mayhood to members of the MCA Hydrogen Peroxide Technical Committee on the question of revising the label for this strength of HYDROGEN PEROXIDE. The information received from H₂O₂ Committee members was inconclusive and for that reason it was decided not to change the wording of the label.

3. LABELS FOR REACTIVE METALS

At the Boston meeting of the Committee and at this meeting the Committee considered the five Reactive Metals Labels drafted by Mr. Wendt's Subcommittee on Reactive Metals. At the Washington meeting the labels were all accepted, as revised, with the exception that the Committee voted to change the signal word on the

label for BERYLLIUM OXIDE POWDER from "WARNING!" to "DANGER!"
These labels will appear in the revised edition of Manual L-1.

The labels as approved by the LAPI Committee are as follows:

(1) BERYLLIUM OXIDE POWDER

DANGER! HAZARDOUS DUST

Do not breathe dust.
Use with adequate ventilation.
Avoid contact with skin, eyes and clothing.
Wash thoroughly after handling. Wash clothing
before re-use.
Keep container tightly closed. Flush container
clean before discarding.
Avoid spillage. If any occurs, carefully wet down
and remove.

☒ POISON ☒

Call a Physician

First Aid

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(2) n-BUTYLLITHIUM (In Hydrocarbon Solvents)

DANGER! EXTREMELY FLAMMABLE
IGNITES ON CONTACT WITH MOIST AIR
CAUSES BURNS

DO NOT HANDLE OR USE UNTIL SAFETY PRECAUTIONS
RECOMMENDED BY MANUFACTURER HAVE BEEN READ
AND UNDERSTOOD.

Handle under inert gas atmosphere in DRY equipment.
Avoid spillage and contact with moisture or combustibles.
Do not get in eyes, on skin, on clothing.
Wear goggles and protective clothing when handling.
Keep away from heat, sparks, and open flame.
In case of fire, use CO₂ fire extinguisher.
In case of contact, immediately flush skin with plenty
of water; for eyes, flush with plenty of water for
at least 15 minutes and get prompt medical attention.
Remove and wash clothing before re-use.

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(3) TITANIUM TRICHLORIDE, ANHYDROUS

DANGER: SOLID MAY IGNITE SPONTANEOUSLY IN AIR
VAPOR CAUSES IRRITATION OF SKIN, EYES, NOSE
AND THROAT

Keep away from heat, sparks, and open flame.
Do not get in eyes, on skin, on clothing.
Do not breathe vapor or dust.
Keep container closed; open container carefully and
only in dry oxygen-free or inert atmosphere.
Wear rubber gloves and face shield or safety goggles.
In case of contact, immediately flush skin or eyes
with plenty of water for at least 15 minutes; for
eyes, get medical attention.

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(4) VANADIUM TETRACHLORIDE

DANGER! EXTREMELY HAZARDOUS LIQUID AND VAPOR
ABSORPTION THROUGH SKIN MAY BE FATAL
CAUSES SEVERE BURNS
MAY CONTAIN GAS UNDER PRESSURE

DO NOT HANDLE OR USE UNTIL SAFETY PRECAUTIONS
RECOMMENDED BY MANUFACTURER HAVE BEEN READ
AND UNDERSTOOD.

Open container carefully and only in dry oxygen-free
or inert atmosphere.
Do not get in eyes, on skin, on clothing.
Do not breathe vapor.
Do not take internally.
Wear rubber gloves and face shield or safety goggles.
In case of contact, immediately remove with dry cloth
followed by flushing with plenty of water for at
least 15 minutes; for eyes flush with plenty of
water for at least 15 minutes; get medical attention.
Remove contaminated clothing and wash before re-use.

☒ POISON ☒

Call a Physician

First Aid

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(5) ZIRCONIUM METAL POWDER (Minimum 25% Water)

DANGER! FLAMMABLE SOLID
MAY EXPLODE IF WATER CONTENT IS 10% OR BELOW

Keep wet in storage - dry powder may be ignited by friction, static electricity or heat.

Keep away from heat, sparks, and open flame.

Keep from freezing.

In case of spillage, keep wet and remove carefully.

In case of fire, smother with foam-type fire extinguisher or sand. Do not use carbon tetrachloride, CO₂ extinguishers or water.

Wear goggles or face shield and fire-retardant clothing when handling.

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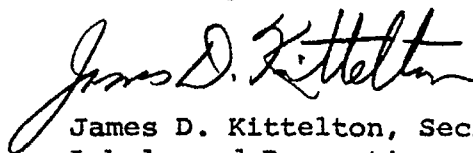
PART I

1. COMMENTS OF GENERAL COUNSEL ON DRAFT OF PART I

The Committee reviewed the comments which the Secretary received from MCA Counsel, Mr. Hawes, on the revision of Part I of the Manual. Most of the suggestions were accepted and these were noted by the Revision Subcommittee.

2. ILLUSTRATIVE EXAMPLE

The Committee considered the material on the Illustrative Example which had been drafted by Mr. Harry McIntyre for inclusion in Part of the Manual and agreed wording to be used for the label for ETHYLENE CHLOROHYDRIN, the example used, as well as wording for the explanation of how to prepare this label.



James D. Kittelton, Secretary
Labels and Precautionary
Information Committee

Minutes Subject to Approval
March 17, 1961

JDK/jmb