

FROM R. T. Cheng

IN REPLY
REFER TO RTC 77:90

TO H. T. Miller, Ph.D.

DATE August 22, 1977

SUBJECT REPORTING CARCINOGENS AND TERATOGENS (REF. TO J.O.J. MEMO AL 70-01)

Usage of carcinogens and teratogens were known at the following facilities:

I. GENERAL ATOMIC COMPANY

Arsenic trioxide - small quantity as reagent
Asbestos - small quantity as filter aid and insulation
Benzene - small quantity as laboratory reagent and solvent
Benzidine - extremely small quantity as laboratory reagent
Antimony trioxide - used as fire retardant in epoxy mixing
Beryllium - small quantity under controlled usage
Cadmium oxide - laboratory use or welding fume
Chloroform - laboratory use
Chromates of lead & zinc - possible laboratory use
Dimethyl sulfate - laboratory use
Hydrazine - used in small amount
Thallium - used in significant quantity

II. GORAM - WEST COAST DIVISION

(A) Santa Fe Springs Refinery

Asbestos - old insulation
Benzene - as normally known
Others: compounds such as chloroform, chromates, etc. could be used in refinery laboratory. Cadmium oxide could be in welding operation

(B) Industrial Asphalt Company

Asbestos - extensive use at one location (OBAM), small use at R & D laboratory
Others: benzene, chloroform, etc. could be used as reagent in R & D laboratory

(C) Marketing

Benzene - as normally known

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(D) Okinawa Refinery

Asbestos - in insulation
Benzene - as normally known
Cadmium oxide - in welding operation

III. GOCHEM - CHINA GULF PLASTICS CO.

Vinyl chloride - extensive exposures
Benzene - extensive exposures
Mercury - extensive exposures
Chromate of lead & zinc - extensive exposures
Cadmium oxide - Cadmium compounds are used extensively, but not
being in oxide form, as plastic stabilizer

IV. GEM

(A) Solvent Refined Coal Pilot Plant

Benzene - in liquid streams
Particulate Polycyclic aromatic hydrocarbons - extensive presence
Asbestos - minor use as filter aid
Others: Chloroform could be used as laboratory reagent

(B) Exploration & Production

Benzene - in crude oil



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RTC/lde
cc: J. A. Peterson, M.D.