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SURVEY OF COMPOUNDS WHICH HAVE BEEN TESTED FOR CARCINOGENIC ACTIVITY

Supplement I

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Reference	Animal	Strain or type	Sex	Preparation and dose	Site and route	Animals with tumors	Survival	Duration of experiment
246.--VINYL CHLORIDE POLYMER $-(CH_2CHCl)_x-$								
Oppenheimer et al., 1952	45 rats	Wistar	----	Film	S.C.	Tumors ²³⁸	44 alive at 189 d.	Over 22 mos.
247.--VINYL PROPIONATE $CH_3CH_2COOCH=CH_2$								
Ambrose, 1950a	5 rats	Albino	F	0.64% in the diet	P.O.	0	----	392 d.
	45 rats	Albino	F	0.05 - 2.56%	P.O.	0	----	223 d.
248.--ZINC DIMETHYLDITHIOCARBAMATE $Zn[-S-CS-N(CH_3)_2]_2$								
Hodge et al., 1952a	Dogs	----	----	5 or 25 mg. per kg. by capsule daily for 1 mo.	P.O.	0	100%	1 mo.
	40 rats	Rochester	MSF	0.01 - 0.5% in the diet	P.O.	0	----	1 mo.
249.--ZINC ETHYLENE BISDITHIOCARBAMATE ²³⁹ $(CH_2)_2(NH-CS-S)_2Zn$								
Smith, Jr., et al., 1953	200 rats	Albino	MSF	500 - 10,000 p.p.m. in the diet	P.O.	0 ²⁴⁰	Sacrificed at various intervals	30 d.
	100 rats	Albino	MSF	500 - 10,000 p.p.m. in the diet	P.O.	0 ²⁴¹	13 died by 52 wks.	2 yrs.
	9 dogs	Mongrel	----	20 - 10,000 p.p.m. in the diet	P.O.	0 ²⁴²	100%	1 yr.

²³⁸ 14 sarcomas, 12 fibrosarcomas, 1 liposarcoma, 1 unclassified malignancy. First tumor at 189 days.

²³⁹ Marketed as Dithane 278.

²⁴⁰ 10 rats at the 10,000 p.p.m. level had thyroid hyperplasia.

²⁴¹ 9 lung tumors, 1 adrenal tumor, 1 small bowel tumor, 1 mammary carcinoma and 1 adenocarcinoma of thyroid in 100 treated rats. Considered spontaneous. 2 lung tumors in 20 controls.

²⁴² 10,000 p.p.m. induced thyroid hyperplasia.

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