

OFFICE OF TOXIC SUBSTANCES
CODING FORM FOR GLOBAL INDEXING

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	SKIN CORROSIVENESS TEST		
	IN RABBITS PREPARED BY		
	SCIENTIFIC AND INC WITH		
	COVER LETTER		
Chemical Name (300 per name)	25	CAS No. (10)	26
CRESOLS		999999994	
ORTHO-CRESOL		95-48-7	

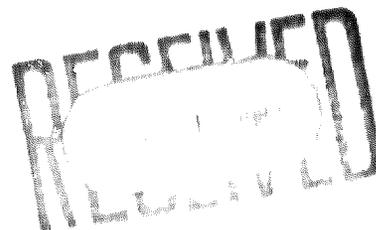
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Michèle Malley
Attorney

Conoco Inc.
P.O. Box 2197
Houston, TX 77001
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CERTIFIED MAIL
RETURN RECEIPT REQUESTED



November 24, 1982

U.S. Environmental Protection Agency
TSCA-801
P. O. Box 2060
Rockville, Maryland 20852

Dear Sir/Madam:

Conoco Inc. is submitting the attached indexed copies of health and safety studies of the following chemicals, pursuant to the regulations promulgated under Section 8(d) of the Toxic Substances Control Act, 62 Fed. Reg. 38,780 (September 7, 1982):

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Manufacturing Establishment</u>
Ortho-cresol	95-48-7	Fitt-Consol Company 191 Doremas Avenue Newark, NJ 07105
Alkyl phthalates	117-84-0 119-07-3	Conoco Chemicals Company P. O. Box 91, Highway 75 Aberdeen, MS 39730
M/P xylene mixture	108-38-3 106-42-3	Conoco Chemicals Company P. O. Box 2911 Alvin, TX 77511

If you have any questions, please contact me. My name, title, address, and telephone number are noted above.

Sincerely,

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August 18, 1976

SUBJECT: Skin Corrosiveness Test in Rabbits

SAMPLE DESIGNATION: Cresol 110
Sample No. 84741
S. A. Number 217847

See
RECEIVED

SUBMITTED BY: Continental Oil Company
P.O. Drawer 1267
Ponca City, Oklahoma 74601

SUMMARY AND CONCLUSION:

Cresol 110, Sample No. 84741, when applied undiluted to the intact skin of New Zealand albino rabbits for a period of four hours, was found to produce visible destruction and irreversible alterations in the tissues at the site of contact. As the term, Corrosive Substance, is defined in Title 42, Chapter 1, p. 176.240 CFR, the material was found to be a Corrosive Substance.

EXPERIMENTAL PROCEDURE:

Six New Zealand albino rabbits were used to determine the potential for corrosive action resulting from the topical application of Cresol 110, Sample No. 84741. The animals were individually housed in metal cages, elevated above the droppings with feed, consisting of Purina Rabbit Chow, and tap water freely available at all times. The backs of the animals were clipped free of hair and the skin examined before testing. Only those animals without skin defects or irritation were used. Care was taken, during the clipping process, to assure that no breaks through the stratum corneum were produced. The animals were immobilized in animal holders and 0.5 g. of undiluted Cresol 110, Sample No. 84741, was applied under each of two one-inch square gauze patches to the prepared area on the back of each rabbit.

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EXPERIMENTAL PROCEDURE: (continued)

After the patches had been secured by adhesive tape, the entire trunk of each animal was wrapped with a plastic binder to keep the material in position and in contact with the skin for four hours. Following the four hours of exposure, the patches were removed; any remaining material was washed off the treated areas, and the resulting reactions evaluated for visible destruction or irreversible alterations in the tissue at the site of contact. The sites were re-evaluated at 24 hours and 7, 14, 21 and 28 days.

RESULTS:

The material, Cresol 110, Sample No. 84741, was found to produce destruction of the epidermis, the dermis and the subdermal fat layer in all of the test animals.

Since Cresol 110, Sample No. 84741, produced visible destruction and irreversible alteration in the tissue at the site of contact, it is a Corrosive Substance under the meaning of CFR Title 49, Chapter 1, Section 173.240 (transportation).

SCIENTIFIC ASSOCIATES, INC.

By: Robert H. Moulton
Robert H. Moulton
Vice-President and Director
Biological Research Services

S. A. Number 217847

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