

OFFICE OF TOXIC SUBSTANCES  
CODING FORM FOR GLOBAL INDEXING

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Chemical Name (300 per name)	CHLORINATED BENZENES		25	CAS No. (10)	999999994
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Biochemical Research Laboratory  
THE DOW CHEMICAL COMPANY

Subject THE TOXICITY OF CRUDE TETRACHLORO BENZENE.

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Test Material

The crude tetrachlorobenzene was the plant product containing about 90% of the 1,2,4,5-isomer. The contaminant was a mixture of other chlorinated benzenes.

Conclusions

The acute oral toxicity of the crude tetrachlorobenzene appeared to be slightly greater than that of p-dichlorobenzene.

The irritating action of the tetrachlorobenzene on the skin and in the eye was very mild and less than that of p-dichlorobenzene.

We have concluded that this tetrachlorobenzene probably presents hazards to health which are no greater than those of p-dichlorobenzene and are perhaps even less.

Acute Oral Toxicity

When fed to guinea pigs, single doses of 0.3 g./kg. permitted survival, doses of 3.0 g./kg. killed.

Irritation of the Skin

A 10% solution of the tetrachlorobenzene in butylcarbitol acetate was applied repeatedly to the ear and shaven belly of the rabbit. No irritation of significance resulted.

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Irritation of the Eyes

Ten per cent and one per cent solutions of the tetra-chlorobenzene and of p-dichlorobenzene in olive oil were dropped into the rabbits' eyes on 3 successive days. The p-dichlorobenzene produced a very slight temporary irritation of the eye and both caused a mil. irritation of the conjunctiva.

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