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UNION CARBIDE CORPORATION OLD RIDGEBURY ROAD, DANBURY, CT 06817
Corporate Health, Safety and Environmental Affairs Department

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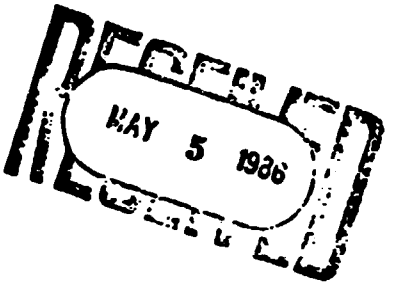
May 2, 1986



U.S. Environmental Protection Agency
TSCA 8D1
P.O. Box 2060
Rockville, Maryland 20852

Subject: Union Carbide Corp. TSCA Sec. 8(d)
Report, 40 CFR 716.6 & 716.7

Sirs:

With respect to:

40 CFR Secs. 716.6 & 716.7;
Fed. Reg., Vol. 47, pp. 38791 and ff., Sept. 2, 1982;
Amended Jan. 22, 1986,, 716.11(e) and 716.17(a)(13)
and (c)(1).

Union Carbide Corp. herewith submits the following studies (attached) in response to the above-identified amendment to the state rule. These studies are on the following chemicals:

2-Butenal, CAS No. 4170-90-3;
Hydroperoxide, 1-methyl-1-phenylethyl-, CAS No. 80-15-9;
1-Propaneamine, N-propyl-, CAS No. 142-84-7;
1-Propanol, 2-methyl-, CAS No. 78-83-1.

I. 2-Butenal.

I.a. Crotonaldehyde, Treatment of Accidental Spills, Union Carbide Project Report File No. 16663, Jan. 7, 1972, B. Pesetsky. 8782164 43

I.b. Range Finding Tests on Crotonaldehyde, Mellon Institute of Industrial Research Special Report 5-40, March 11, 1942, C.P. Carpenter. 8782164 44

I.c. Water Quality Development, Biomass Toxicity Studies, Union Carbide Project Report File No. 25171, June 13, 1978, G.T. Waggy et al. 8782164 45

I.d. Environmental Impact Product Analysis, Acute Aquatic Toxicity Testing, Union Carbide Project Report File No. 19133, Jan. 25, 1974, G.T. Waggy et al. 8782164 46

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I.e. Environmental Impact Analysis, Product Biodegradability Testing, Union Carbide Project Report File No. 19751, Aug. 12, 1974, G.T. Waggy et al.

I.f. Mellon Institute of Industrial Research, Progress Report No. 11-52, March 29, 1948, H.F. Smyth, Jr., et al. 8782164 48

I.g. Mellon Institute of industrial Research, Progress Report No. 5-21, Jan. 31, 1942, H.F. Smyth, Jr., et al. 8782164 49

I.h. Mellon Institute of Industrial Research, Progress Report No. 4-87, Oct. 6, 1941, H.F. Smyth, Jr., et al. 8782164 50

II. Hydroperoxide, 1-Methyl-1-phenylethyl-

II.a. Cumene Hydroperoxide, Range Finding Toxicity Studies, Chemical Hygiene Fellowship Special Report 38-49, May 2, 1975, R.C. Myers et al. 8782164 51

III. 1-Propanamine, N-propyl-

III.a. Range Finding Tests on Di-n-propylamine, Mellon Institute of Industrial Research, Report No. 21-11, Dec. 31, 1957, C.P. Carpenter. 8782164 52

III.b. Same report as in item I.d. (above), entry in Table I for "Dipropylamine". 8782164 46

III.c. Same report as in item I.e. (above), entry in Table I for "Dipropylamine". 8782164 47

See also report I.d., Table V.

See also report I.e., Table I and Table II.

IV. 1-Propanol, 2-methyl-

IV.a. Range Finding Tests on Isobutanol, Mellon Institute of Industrial Research, Report No. 16-100, Nov. 17, 1953, C.P. Carpenter. 8782164 53

IV.b. Quantitative Aspects of Chemical Burns of the Eye, Mellon Institute of Industrial Research Report No. 9-11, Jan. 21, 1946, H.F. Smyth, Jr. 8782164 54

IV.c. Mellon Institute of Industrial Research, Progress Report No. 14-78, Nov. 23, 1951, H.F. Smyth, Jr., et al. 8782164 55

See also report I.d., Table IV and Table VII.

See also report I.e., Table I and Table II.

To the best of our knowledge, the above represents all the studies on the chemicals currently subject to reporting under the above-identified rule.

Should any additional studies come to our attention as the result of our file searches, we will advise the Environmental Protection Agency immediately. Where in some reports (attached and captioned above) an entry regarding confidentiality appears on the first page, that statement was entered solely for guidance of internal and external dissemination at the time of issuance of the report; Union Carbide asserts no claim of confidentiality for any of the information conveyed in this letter and in the attached reports. We hereby advise the Environmental Protection Agency, however, that the studies that were sponsored by Union Carbide Corporation are the property of Union Carbide for publication purposes.

Any questions regarding this report, or the testing or results therefrom, should be addressed through my office.

Very truly yours,

D. L. Heywood

D.L. Heywood
Assistant Director
Product Safety
203 794-5224

DLH:jsh

I. f.

Confidential

R: 3-29-48

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Report No. 11-52

MELLON INSTITUTE OF INDUSTRIAL RESEARCH

UNIVERSITY OF PITTSBURGH

PROGRESS REPORT for the month ended March 31, 1948

Carbide and Carbon Chemicals Corporation Industrial Fellowship No. 274-11

Subjects under which report is to be indexed)	Work in Progress	Single Oral Dose to Rabbits
	Special Reports	Single Skin Absorption
	Primary Irritation	Single Oral Dose to Rats
	Miscellaneous Toxicity Data	Glycol Esters
	Single Oral Dose to Rats	Chlorotrifluoroethylene
		Trips

Work in Progress

The following projects have been started and are being pushed as rapidly as circumstances permit. Those marked with an asterisk (*) are finished except for completion of tissue study.

Single Oral Dose to Rats, LD_{50} in gm./kg.

Crotonaldehyde	0.22 (0.20 to 0.25)

Single Skin Absorption by rabbits, LD_{50} in ml./kg.

Crotonaldehyde	0.38 (0.27 to 0.52)

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Henry F. Smyth, Jr. — ADMINISTRATIVE FELLOW

Charles P. Carpenter — SENIOR INDUSTRIAL FELLOW

C. Boyd Shaffer — INDUSTRIAL

Carrol S. Weil — INDUSTRIAL FELLOW

Typed: March 29, 1948 - mrc

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