

Technical Service Report

Conoco Inc.
Research and Development Department
Analytical Research Section
Ponca City, Oklahoma

Report No. 224-81-839-0

To J. W. Wimberly

From G. W. Keen

Date February 18, 1981

Subject THE MASS SPECTRAL ANALYSIS OF EDC TAR SOLIDS

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Object

To identify vaporizable components in sample A257-36.

Conclusions

Tetrachloroethane, tetrachlorobutanes, tetrachlorobutadienes, trichlorobutenes, trichloroethanes, bis-chloroethyl ether, tetrachlorobenzene, pentachlorobenzene and hexachlorobenzene were detected.

Fragment peaks indicated the presence of vinyl chloride--vinylidene chloride--ethylene oxide polymers. Part of the sample did not vaporize.

Gary W. Keen

Gary W. Keen
Senior Research Scientist

jm

Distribution EAS PLF FK

CWH 000000845

VISTA

TARS DISTRIBUTIONS AND COSTS

MLBS / 4R

CWH 000000846

	EDC*	%	1, 1, 2	%	HEAVIER	%	TOTAL	%
OX4	72	5.6	280	20.0	262	3.6	614	6.1
DIRECT	168	13.2	839	60.0	468	6.4	1,475	14.8
CRACKING	1036	81.2	279	20.0	6596	90.0	7,911	79.1
TOTAL	1,276	100.0	1,398	100.0	7,326	100.0	10,000	100.0

\$M / 4R

	EDC	1, 1, 2	HEAVIER	TOTAL	%
OX4	3.8	13.8	53.6	71.2	4.4
DIRECT	8.9	41.3	95.7	145.9	8.9
CRACKING	54.6	13.7	1,349.2	1,417.5	86.7
TOTAL	67.3	68.8	1,498.5	1,634.60	100.0

COST - \$/LB

				AVERAGE NET \$/LB
FEEDSTOCK COSTS	9.51	9.16	13.44	OX4 11.60
PROD COSTS	0.76	0.76	0.76	DIRECT 9.89
PPG COSTS	(5.00)	(5.00)	6.25	CRACKING 17.92
NET VALUE	5.27	4.92	20.45	

* - BASED ON EDC REQUIRED TO BRING 1,1,2 / HEAVIES / EDC MIXTURE TO TARSTILLS PRESSURE & TARSTILL TEMPERATURE OF 110°C AND LIMITED BY EDC IN TARS SHIPMENTS.

Job No.
Title

Made By WPS
Date 11/5/86
Page of

Calculation Sheet

To BED From FYI