cc C. A. Mullen, N-8421
E. A. Reddrick, N-8421
R. C. Zolper, N-8524
W. F. Huxtable, D&C Bldg.
R. O. Kettner, Adm. Bldg.
J. E. Kutz, D&C Bldg.
A. A. Pethones, Adm. Bldg.
R. Wiederhorn, Ponsol Lab

April 10, 1972

file

To: J. E. Cole, D&C Bldg.
E. J. Fitz, D&C Bldg.
From: R. J. Spear, Adm. Bldg. (5)

2,6-Xylidine Distilled

The subject intermediate is a component of "Sevron" Blue ER. Chambers Works manufactures 2,6-xylidine as a by-product from the nitrobody separation step enroute to making 2,4-Xylidine P Tech.

Attached are historical data showing the sales of "Sevron" Blue ER and of 2,4-Xylidine P Tech. The sales of "Sevron" Blue ER have been glowing considerably while those of 2,4-Xylidine P Tech are irregular. I have asked R. C. Zolper to push sales of 2,4-Xylidine P Tech.

If Hoechst takes the forecasted 80,000 # of 2,4-Xylidine P Tech in July, the Intermediates Area would have to make a campaign in the third quarter, 1972. A campaign of 100,000 # would generate enough 2/6-xylidine for another 9 to 12 months.

If Hoechst does not take the forecasted amount of 2,4-Xylidine P Tech, we would have to either accumulate excessive 2,4-Xylidine P Tech or purchase 2,6-Xylidene.

When the Intermediates Area makes 2,4-Xylidine P Tech, the amounts of 4-chloro-2-aminotoluene and of 6-chloro-2-aminotoluene deliveries are reduced by

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about half. One of the two stills is required to separate the nitrotoluenes. The amine still is assumed to have capacity at this time.

The Works Supplies section now says that Hoechst can supply 11,000# to 22,000# of 2,6-Xylidine in the 2d Quarter, 1973, at $0.86 per lb. C.I.F., N.Y.C. The standard 1972 cost for 2,6-xylidine distilled drummed on C.W. is $0.755 per lb. At this point, C.W. has not evaluated a sample of purchased 2,6-xylidine, though one has been requested.

Should we order any 2,6-xylidine if and when a sample gets approved, as insurance?

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2,6-Xylidine dist.

Inv. 2/72: 2,6-Xylidine crude 8700# Pl.st. / 2139# Hyd. Red'n
10,839# Cr. ≡ 10,625# dist.
2,6-Xylidine dist. (at Ponsol Strehse) = 1,100# dist
2,6-Xylidine dist. (drummed) Pl.st. = 21,600#
Total = 33,325# dist.

Leuco Blue ER wet	5,945#
"Sevron" Blue ER carbinol wet	2,733#
→ "Sevron" Blue ER solution	0
→ " " ER crude wet	0
" " ER crude	23,407#
" " ER (sold)	28,652#
" " EG (sold)	735#

Sales	1967	1968	1969	1970	1971
"Sevron" Blue EG	0	1,885#	2,344#	2,986#	626#
"Sevron" Blue ER	31,012#	67,536	85,975	108,650	146,730
2,6-Xylidine dist. equiv.	6,295#	14,045	17,870	22,586	29,897

Long-range Forecast 10-28-71	1972	1973	1974	1975
"Sevron" Blue EG (.875 Blue ER)	2,000#	3,000#	3,000#	4,000#
"Sevron" Blue ER	199,000	233,000	268,000	302,000
2,6-Xylidine dist. (.203) equivalent	40,800#	47,900	55,000	62,100

2,6-Xylidine is a by-product from 2,4-Xylidine Pl Tech at the rate of 2,990# 2,6-Xylidine per 10,000# 2,4-Xylidine Pl Tech

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Sales	1967	1968	1969	1970	1971
2,4-Xylidine P Tech	38,697 #	80,054 #	56,920 #	42,171 #	207,357 #
2,6-Xylidine equivalent	11,568	23,936	17,019	12,609	62,000

	1972
2,4-Xylidine P Tech	17,200 # to date this year
Inv. 4/7/72	101,000 #

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