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PRELIMINARY REPORT ON U.S. PRODUCTION OF SELECTED SYNTHETIC ORGANIC CHEMICALS (INCLUDING SYNTHETIC PLASTICS AND RESIN MATERIALS) THIRD QUARTER, FOURTH QUARTER, AND CUMULATIVE TOTALS, 1986

The chemicals and synthetic plastics and resin materials covered in this report were selected, with the advice and assistance of industry and Government representatives, on the basis of their economic importance, seasonality, and specified uses. For the purpose of this report, production is defined as the sum of the quantities of each listed item made (a) for consumption in the producing plant, (b) for transfer to other plants of the same company, (c) for sale, and (d) produced under toll agreement.¹ Figures are reported on a 100 percent content basis unless otherwise specified. Where applicable, the statistics include data for materials produced by tar distillers, petroleum refiners, and coke-oven operators.

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CHEMICAL	UNIT OF QUANTITY	PRODUCTION			
		THIRD QUARTER	FOURTH QUARTER	YEAR TO DATE	
		1986 ²	1986 ³	1986 ⁴	1985
<u>TAR AND TAR CRUDES</u>					
Creosote Oil (Dead Oil); Distillate as such (100% creosote basis)-----	-1,000 gallons--	23,453	22,719	90,072	71,188
<u>BENZENOID CRUDES</u>					
Benzene, (Benzol) (all grades)-----	do-----	361,331	360,856	1,388,877	1,348,557
Toluene, (all uses)-----	do-----	212,947	225,656	801,985	687,728
Xylene, (all uses)-----	do-----	207,021	200,102	771,212	737,908
<u>ALIPHATIC CRUDES</u>					
Alpha olefins (C ₆ and higher)-----	-1,000 pounds--	-	-	-	1,321,513
1,3-Butadiene (grade for rubber)-----	do-----	657,690	565,831	2,592,564	2,525,484
Ethylene-----	do-----	8,351,049	8,345,204	32,811,217	30,549,626
Isobutylene (2-Methylpropene)-----	do-----	290,737	308,349	1,205,902	1,007,563
Propylene:-----	do-----	4,513,419	4,371,052	17,342,733	14,977,109
Total:-----	do-----	4,045,819	3,885,277	15,480,084	13,019,560
Chemical and polymer grades (90-100%)-----	do-----	467,600	485,775	1,862,649	1,957,549
Other grades (38-89.9%)-----	do-----	-	-	-	-
<u>CYCLIC INTERMEDIATES</u>					
Aniline-----	do-----	194,750	222,935	821,437	758,177
Chlorobenzene, mono-----	do-----	56,690	54,374	222,527	223,714
Cresylic acid and cresols (including mixtures)-----	do-----	24,323	23,536	88,818	85,664
Cumene-----	do-----	948,332	1,025,214	3,694,608	3,344,643
Cyclohexane-----	do-----	461,047	497,764	2,071,286	1,739,385
Ethylbenzene-----	do-----	2,291,051	2,346,248	8,914,928	8,548,123
4,4'-Isopropylidenediphenol (Bis-phenol A)-----	do-----	206,119	205,821	823,409	802,068
Phenol, synthetic-----	do-----	698,246	771,371	2,920,641	2,777,418
Phthalic anhydride-----	do-----	224,240	208,301	859,679	835,722
Styrene monomer-----	do-----	1,966,051	2,063,391	7,838,421	7,453,562
Terephthalic acid, dimethyl ester ⁵ -----	do-----	2,051,214	1,946,222	7,683,590	7,165,054
Toluene 2,4- and 2,6-diisocyanate (80/20 mixtures)-----	do-----	164,003	187,134	677,119	648,166
o-Xylene-----	do-----	214,108	224,729	789,439	698,140
p-Xylene-----	do-----	1,319,090	1,204,797	4,994,699	4,668,555
<u>ORGANIC PIGMENTS</u>					
Pigment Yellow 12, C.I. 21090-----	do-----	2,538	2,545	9,946	11,472
Pigment Yellow 14, C.I. 21095-----	do-----	711	1,028	3,420	3,034

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CHEMICAL	UNIT OF QUANTITY	PRODUCTION			
		THIRD	FOURTH	YEAR TO DATE	
		QUARTER	QUARTER	1986 ^a	1985
		1986 ²	1986 ³		
ORGANIC PIGMENTS--Continued					
Pigment Blue 15, all forms, C.I. 74160-----	do-----	4,289	4,646	16,339	10,174
Pigment Red 49:1, barium toner, C.I. 15630----	do-----	1,330	1,254	4,860	5,424
Pigment Red 53:1, (barium), C.I. 15585-----	do-----	1,165	925	4,165	4,249
Pigment Red 57:1, calcium toner, C.I. 15850----	do-----	1,671	1,984	6,700	6,422
MEDICINALS AND CHEMICALS (BULK)					
Acetylsalicylic acid (Aspirin)-----	do-----	6,669	7,506	27,130	23,310
Choline chloride, all grades-----	do-----	10,965	13,515	51,060	49,419
PLASTICS AND RESIN MATERIALS					
Phenolic and other tar acid resins-----	do-----	364,145	393,519	1,519,607	1,418,708
Polyamide resins, nylon type-----	do-----	81,805	84,436	338,725	290,733
Polyether and polyester polyols for urethanes-----	do-----	354,225	385,542	1,463,494	1,406,594
Polyethylene and copolymers:					
LDPE (Specific gravity 0.940 and below) ^a -----	do-----	2,202,960	2,205,951	8,674,522	8,345,711
HDPE (Specific gravity over 0.940)-----	do-----	1,926,696	1,947,591	7,545,302	7,039,862
Polypropylene-----	do-----	1,466,194	1,481,411	5,783,842	5,180,306
Polyvinyl chloride and copolymers-----	do-----	1,883,495	1,927,486	7,499,140	6,889,843
Styrene polymers and copolymers:					
ABS resins-----	do-----	265,988	294,163	1,107,791	1,019,128
Other (including SAN resins)-----	do-----	1,204,615	1,143,383	4,686,510	4,567,148
ELASTOMERS					
Butadiene-styrene (S-type)-----	do-----	454,516	367,117	1,600,421	1,390,124
Ethylene-propylene (include copolymers					
and terpolymer)-----	do-----	119,287	102,437	437,852	432,454
Polybutadiene (Solution polymerized)-----	do-----	132,589	113,790	565,353	584,277
PLASTICIZERS					
Diisodecyl phthalate-----	do-----	-	-	149,885	138,989
Dioctyl phthalate-----	do-----	75,916	73,387	290,580	266,757
MISCELLANEOUS END-USE CHEMICALS AND CHEMICAL PRODUCTS					
Acrylonitrile polymers and copolymer					
for fiber-----	do-----	155,308	152,623	593,146	525,189
Methyl-t-butyl ether-----	do-----	559,445	592,203	2,236,865	1,697,410
Nylon 6 and 6/6 polymer for fiber-----	do-----	538,209	526,651	2,071,992	1,895,034
Polyethylene terephthalate-----	do-----	728,729	592,826	2,668,662	2,766,325
MISCELLANEOUS CYCLIC & ACYCLIC CHEMICALS					
Acetic acid-----	do-----	781,954	681,314	2,931,160	2,874,789
Acetone-----	do-----	466,519	491,917	1,936,159	1,803,029
Acrylic acid-----	do-----	203,609	190,058	763,519	675,343
Acrylonitrile-----	do-----	553,781	626,774	2,314,369	2,346,042
Alcohols, C ₁₂ and higher (detergent range)-----	do-----	195,912	189,070	744,412	754,328
2-Butoxyethanol (Ethylene glycol monobutyl					
monobutyl ether)-----	do-----	85,193	74,727	304,601	283,394
n-Butyl alcohol-----	do-----	250,295	194,107	856,890	728,456
Caprolactam (2-Oxohexamethylenimine)-----	do-----	-	-	850,080	1,083,322
Diethylene glycol-----	do-----	124,602	136,573	505,451	499,887
Ethanolamines (Mono-, di-, & tri-)-----	do-----	140,992	130,350	549,335	538,398
Ethyl acetate (85%)-----	do-----	51,210	44,733	192,346	214,409

