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Census File Number

**Item 17. CONSUMPTION OF SELECTED MATERIALS DURING 1997**

**INSTRUCTIONS**

**1. General** – The materials, parts, and supplies listed below are those commonly consumed in the manufacture, processing, or assembly of the products listed in item 18B. Please review the entire list and report separately each item consumed. Leave blank if you do not consume the item. If you use materials, parts, and supplies which are not listed, describe and report them in the "Cost of all other materials . . ." line at the end of this section. If you consumed less than \$25,000 of a listed material, include the value with "Cost of all other materials . . .," Census material code 970099 8.

Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.

If quantities are requested, please use the unit of measure specified.

If the information as requested cannot be taken directly from your book records, REASONABLE ESTIMATES ARE ACCEPTABLE.

Materials received from other plants within your company should be reported at their full economic value (the value assigned by the shipping plant, plus the cost of freight and other handling charges).

If purchases or transfers do not differ significantly from the amounts actually put into production, you may report the cost of purchases or transfers. However, if consumption differs significantly from the amounts purchased or transferred, these amounts should be adjusted for changes in the materials and supplies inventories by adding the beginning inventory to the amount purchased or transferred and subtracting ending inventory.

**3. Contract Work** – Include as materials consumed those you purchased for use by others making products for you under contract. Amounts paid to the companies doing the contract work should be reported in item 10, line e, and should include freight in and out. On the other hand, materials owned by others but used at this establishment in making products for others under contract or on commission should be excluded.

**4. Resales** – Cost for products bought and sold or transferred from other establishments of your company and sold without further manufacture, processing, or assembly should be reported in item 10, line b, not in item 17 below. The value of these products shipped by this establishment should be reported in item 18B under Census product code 99989 00 6, "Resales."

**2. Valuation of Materials Consumed** – The value of the materials, etc., consumed should be based on the delivered cost; i.e., the amount paid or payable after discounts and including freight and other direct charges incurred in acquiring the materials.

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Line No.	Materials, parts, and supplies		Census material code	Unit of measure for quantities	Basis	Consumption of purchased materials and of materials received from other establishments of your company			
						Quantity	Cost, including delivery cost (freight-in)		
							(E)	Millions	Thousands
571	(B)	(C-1)	(C-2)	(D)	574				
1	Synthetic Organic Chemicals	CYCLIC CRUDES AND INTER-MEDIATES	Styrene	286516 0	↑ Thousand pounds	↑ 100%			
2			Phenol	286513 7	↓	↓			
3			Other, including melamine, phthalic anhydride, and benzene	286581 4					
4		Synthetic organic pigments, lakes, and toners	286535 0	↑	↑				
5	OTHER SYNTHETIC ORGANIC CHEMICALS		Acrylates and methacrylates, monomers	286925 3	↑ Thousand pounds	↑ 100%			
6			Alcohols, except ethyl	286920 4	↓	↓			
7			Formaldehyde	286923 8					
8			Rubber processing chemicals (accelerators, antioxidants, blowing agents, inhibitors, peptizers, etc.)	286933 7					
9			Vinyl acetate, monomer	286927 9	↑ Thousand pounds	↑ 100%			
10		Vinyl chloride, monomer	286928 7	↓	↓				
11		Other synthetic organic chemicals, including acrylonitrile, cellulose acetate	286081 5						

CONTINUE WITH ITEM 17 ON PAGE 6

Item 17. CONSUMPTION OF SELECTED MATERIALS DURING 1997 – Continued											
Line No.	Materials, parts, and supplies  <b>(A)</b>			Census material code  <b>(B)</b>	Unit of measure for quantities  <b>(C-1)</b>	Basis  <b>(C-2)</b>	Consumption of purchased materials and of materials received from other establishments of your company				
							Quantity  <b>(D)</b>		Cost, including delivery cost (freight-in)  <b>(E)</b>		
							573	574	574	Thou-	Dollars
	Millions	sands									
12	<b>Hydrocarbons Used as Raw Materials or Feedstocks</b> (Report hydrocarbons used for fuel or energy on item 10, line c)	REFINED PETROLEUM PRODUCTS	Ethane	2911A1 3	↑ Thousand pounds ↓						
13			Ethylene	2911A2 1							
14			Propane	2911A3 9							
15			Propylene	2911A4 7							
16			Butadiene	2911A7 0							
17			Other refined petroleum products, including butane, isobutane, butylene, isobutylene, petroleum naphtha, and gas oils	2911A8 8							
18	Other hydrocarbons, including crude oil, natural gas, and still gas			190002 6							
19	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc., but excluding sheets, rods, tubes, and shapes			282104 9	Thousand pounds						
20	Inorganic chemicals - <i>Specify kind</i>			281981 1							
21	Carbon black			289501 9	Thousand pounds						
22	Paper and paperboard containers, including shipping sacks and other paper packaging supplies			260091 4							
23	Cost of all other materials and components, parts, containers, and supplies consumed . . . . . <i>Describe the principal materials, etc., included in this value.</i>			970099 8							
24	<b>TOTAL</b> Sum of lines 1-23 should equal item 10, line a								\$		

**Item 18A – Not applicable to this report**

**Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997**

**INSTRUCTIONS**

**1. General** – The manufactured products and services listed below are generally made in your industry. If you make products that are not listed, describe and report them in the "All other products made in this establishment" section at the end of item 18B. PLEASE DO NOT COMBINE PRODUCT LINES.

If quantities are requested, please use the unit of measure specified.

If the information as requested cannot be taken directly from your book records, REASONABLE ESTIMATES ARE ACCEPTABLE.

**2. Valuation of Products** – Report the value of the products shipped and services performed at the net selling value, f.o.b. plant to the customer; i.e., after discounts and allowances, and exclusive of freight charges and excise taxes.

If you transfer products to other establishments within your company, you should assign the full economic value to the transferred products; i.e., include all direct costs of production and a reasonable proportion of all other costs and profits.

**3. Contract Work** – Report PRODUCTS MADE BY OTHERS FOR YOU FROM YOUR MATERIALS on the specific lines as if they were made in this establishment. On the other hand, do not report on the specific product lines PRODUCTS THAT YOU MADE FROM MATERIALS OWNED BY OTHERS. Report only the amount that you received for "commission or contract receipts" under Census product code 93000 00 8.

**4. Resales** – Do not report on the specific product lines those PRODUCTS BOUGHT AND SOLD OR TRANSFERRED FROM OTHER ESTABLISHMENTS OF YOUR COMPANY AND SOLD WITHOUT FURTHER MANUFACTURE. Report only a value under Census product code 99989 00 6, "Resales."

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Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 – Continued

Line No.	Products and services  (A)		Census product code  (B)	Products shipped and other receipts				
				Quantity (Thousand pounds) (D)	Value, f.o.b. plant (E)			
			581		583	584	Millions	Thou- sands
1	RESINS AND PLASTICS MATERIALS	Thermoplastic resins and plastics materials	28213 00 7		\$			
2		Thermosetting resins and plastics materials	28214 00 5					
3	SYNTHETIC RUBBER (Vulcanizable elastomers)	SBR (Styrene-Butadiene Rubber), except latex	28220 11 9					
4		SBR latex	28220 12 7					
5		Nitrile rubber, including latex	28220 40 8					
6		Butyl, polychloroprene, and stereo polyisoprene elastomers, including latex	28220 45 7					
7		Stereo polybutadiene elastomers, including latex	28220 50 7					
8		Ethylene-propylene elastomers, including latex	28220 57 2					
9		Silicone	28220 60 6					
10		Other elastomers, except thermoplastic elastomers, including latex	28220 72 1					
11		Thermoplastic elastomers	28220 82 0					
12	Surfactants (bulk surface active agents other than sulfonated oils and fats) (emulsifiers, penetrants, wetting agents, etc.)		28430 85 8					
13	Cyclic (coal tar) intermediates		28651 00 8					
14	Rubber processing chemicals		28693 31 5					
15	Plasticizers		28693 51 3					
16	Miscellaneous end-use chemicals and chemical products		28696 00 3					
17	MISCELLANEOUS CYCLIC AND ACYCLIC CHEMICALS AND CHEMICAL PRODUCTS (28697)	Flouorocarbon gases	28697 11 8					
18		Carbon bisulfide (disulfide)	28697 13 4					
19		Fatty acid esters	28697 15 9					
20		Other – Specify kind	28697 19 1					
21	SYNTHETIC RESIN AND RUBBER ADHESIVES	Polyvinyl acetate adhesives	28914 37 2					
22		Epoxy adhesives	28914 11 7					
23		Hot-melt adhesives, including polyamide, polyolefin, and other hot melts	28914 65 3					
24		All other synthetic resin and rubber adhesives – Specify kind	28914 00 0					
25	Plastics Products	FILM AND SHEET, UNSUPPORTED	Vinyl and vinyl copolymer	30810 40 2				
26			Other	30810 00 6				
27		Plastics foam products		Polystyrene value _____ Polyurethane value _____	30860 00 1			
28		Custom compounding of purchased resins		30870 12 5				
29		Color concentrates		30870 13 3				

CONTINUE WITH ITEM 18B ON PAGE 8

Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 - Continued									
Line No.	Products and services  (A)		Census product code	Unit of measure for quantities  (C)	Products shipped and other receipts				
			581		583	Quantity		Value, f.o.b. plant (E)	
						584	Thou-	Millions	sands
(B)	(D)	(E)	(E)	(E)	(E)	(E)	(E)		
30	ALL OTHER PRODUCTS MADE IN THIS ESTABLISHMENT  <i>Describe and report separately each product with a sales value of \$50,000 or more which cannot be assigned to one of the lines above. Specify unit of measure for quantity. For all remaining products, write "Other" and report a single total value.</i>		18				\$		
31			26						
32			34						
33			42						
34			59						
35			67						
36			75						
37			83						
38			91						
39			RECEIPTS FOR CONTRACT WORK  <i>Receipts for work done for others on their own materials . . . . . Describe below products worked on and kind of work.</i>	93000 00 8					
40	MISCELLANEOUS RECEIPTS  Sales of scrap, refuse, electricity, and other miscellaneous receipts (including receipts for repair work, etc.)	99980 00 5							
41	RESALES  Sales of products bought and sold without further manufacture, processing, or assembly in this establishment. The cost of such items should be reported in item 10, line b.	99989 00 6							
42	<b>TOTAL value of shipments and other receipts</b> Sum of lines 1-41, column (E)	77000 00 8				\$			

Items 19-21 - Not applicable to this report

REMARKS - Please use this space for any explanations that may be essential in understanding your reported data.

Item 22. CERTIFICATION - This report is substantially accurate and has been prepared in accordance with instructions.

Name of person to contact regarding this report (Print or type)		Telephone	Area code	Number	Extension		
667	1		2				
Name of company			Address (Number and street, city, State, ZIP Code)				
Period covered		FROM: Month	Day	Year	TO: Month	Day	Year
		666	1		2		
Signature of authorized person				Title		Date	