

16 DETAILED COST OF MATERIALS, PARTS, AND SUPPLIES

General - The materials, parts, and supplies listed below are those commonly consumed in the manufacture, processing, or assembly of the products listed in **2**. 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 that are not listed, describe and report them in the "Cost of all other materials . . ." 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 009700 99 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Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.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.

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.

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 amount 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.

Contract Work - Include all 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 **15**, line A5, 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.

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 **15**, line A2, not in **16**. The value of these products shipped by this establishment should be reported in **2** under Census product code 000999 8900 6, "Resales."

INFORMATION COPY
 DO NOT USE TO REPORT

Line No.	Materials, parts, and supplies	Census material code	Unit of measure for quantities	Consumption of purchased materials and of materials received from other establishments of your company			
				Quantity	Cost, including delivery cost (freight-in)		
					\$ Bil.	Mil.	Thou.
0634		0630	0636	0632	0631		
	Synthetic organic chemicals						
	Cyclic crudes and intermediates						
1	Styrene (100 percent)	325192 07 8	1000 lb				
2	Phenol (100 percent)	325192 05 2					
3	Other, including melamine, phthalic anhydride, and benzene	325192 29 2					
4	Synthetic organic pigments, lakes, and toners (100 percent)	325192 17 7					
	Other synthetic organic chemicals						
5	Acrylates and methacrylates, monomers (100 percent)	325100 43 6	1000 lb				
6	Alcohols, excluding ethyl (100 percent) . . .	325100 37 8					
7	Formaldehyde (100 percent)	325100 41 0					
8	Rubber processing chemicals (accelerators, antioxidants, blowing agents, inhibitors, peptizers, etc.)	325100 55 0					

32512089

CONTINUE WITH **16** ON PAGE 9

If not shown, please enter your 11-digit Census File Number (CFN) from the mailing address.

16 DETAILED COST OF MATERIALS, PARTS, AND SUPPLIES - Continued

Line No.	Materials, parts, and supplies	Census material code	Unit of measure for quantities	Consumption of purchased materials and of materials received from other establishments of your company					
				Quantity	Cost, including delivery cost (freight-in)				
					\$ Bil.	Mil.	Thou.		
0634		0630	0636	0632	0631				
	Synthetic organic chemicals - Continued								
	Other synthetic organic chemicals - Continued								
9	Vinyl acetate, monomer (100 percent)	325100 47 7	1000 lb						
10	Vinyl chloride, monomer (100 percent)	325100 49 3							
11	Other synthetic organic chemicals, including acrylonitrile, cellulose acetate	325100 A3 9							
	Hydrocarbons used as raw materials or feedstocks (Report hydrocarbons used for fuel or energy in 15 , line A3.)								
	Refined petroleum products								
12	Ethane	324110 31 1	1000 lb						
	Refined petroleum products								
13	Ethylene	324110 33 7							
14	Propane	324110 35 2							
15	Propylene	324110 37 8							
16	Butadiene	324110 43 6							
17	Other refined petroleum products, including butane, isobutane, butylene, isobutylene, petroleum naptha, and gas oils	324110 45 1							
18	Other hydrocarbons, including crude oil, natural gas, and still gas	001900 02 6							
19	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc., but excluding sheets, rods, tubes, and other shapes	325211 05 0							
20	Inorganic chemicals (Specify kind.) ↘	325000 B7 1							
21	Carbon black	325182 00 4	1000 lb						
22	All other chemicals, not elsewhere classified, including additives, driers, modifiers, biocides, and dispersants	325000 61 0							

CONTINUE WITH **16** ON PAGE 10

32512097

16 DETAILED COST OF MATERIALS, PARTS, AND SUPPLIES - Continued

Line No.	Materials, parts, and supplies	Census material code	Unit of measure for quantities	Consumption of purchased materials and of materials received from other establishments of your company				
				Quantity	Cost, including delivery cost (freight-in)			
					\$ Bil.	Mil.	Thou.	
0634		0630	0636	0632	0631			
23	Paper and paperboard containers (including shipping sacks and other paper packaging supplies)	322200 17 1						
24	Cost of all other materials and components, parts, containers, and supplies consumed (Specify the principal materials, etc., included in this value.) ↗	009700 99 8						
25	TOTAL (Should equal total reported in 15, line A1)	771000 00 7						

17-21 Not Applicable.

22 DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE

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 2. 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.

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.

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 code 000930 0000 8.

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 code 000999 8900 6, "Resales."

Line No.	Products and services	Census product code	Unit of measure for quantities	Products shipped and other receipts				
				Quantity	Value, f.o.b. plant			
					\$ Bil.	Mil.	Thou.	
0734		0730	0736	0732	0731			
1	Thermoplastic resins and plastics materials		1000 lb ↑ ↓					
	Polyethylene	325211 1110 7						
2	Polypropylene	325211 1120 6						
3	Polystyrene	325211 1130 5						

CONTINUE WITH 2 ON PAGE 11

32512105

If not shown, please enter your 11-digit Census File Number (CFN) from the mailing address.

22 DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued

Line No.	Products and services	Census product code	Unit of measure for quantities	Products shipped and other receipts				
				Quantity	Value, f.o.b. plant			
					\$ Bil.	Mil.	Thou.	
0734		0730	0736	0732	0731			
	Thermoplastic resins and plastics materials - Continued							
4	Polyvinyl chloride	325211 1140 4	1000 lb					
5	Polyester	325211 1150 3						
6	Other	325211 1160 2						
	Thermosetting resins and plastics materials							
7	Phenolic	325211 4110 4	1000 lb					
8	Urea	325211 4120 3						
9	Polyester	325211 4130 2						
10	Epoxy	325211 4140 1						
11	Other	325211 4150 0						
	Synthetic rubber (Vulcanizable elastomers)							
12	SBR (Styrene-Butadiene Rubber), except latex	325212 0111 4	1000 lb					
13	SBR latex	325212 0211 2						
14	Nitrile rubber, including latex	325212 0311 0						
15	Butyl, polychloroprene, and stereo polyisoprene elastomers, including latex	325212 0321 9						
16	Stereo polybutadiene elastomers, including latex	325212 0411 8						
17	Ethylene-propylene elastomers, including latex	325212 0511 5						
18	Silicone	325212 0611 3						
19	Other elastomers, except thermoplastic elastomers, including latex	325212 0711 1						
20	Thermoplastic elastomers	325212 0811 9						
21	Fluorocarbon gases	325120 G100 5						
22	Carbon bisulfide (disulfide)	325188 G130 9						
23	Recovered elemental sulfur from natural gas	325188 G110 1						
	Other inorganic chemicals, nec (Specify kind.) ↴							
24		325188 G120 0						
25	Cyclic (coal tar) intermediates	325192 1100 0						

CONTINUE WITH 22 ON PAGE 12

CONTINUE ON PAGE 12

32512113

22 DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued							
Line No.	Products and services	Census product code	Unit of measure for quantities	Products shipped and other receipts			
				Quantity	Value, f.o.b. plant		
					\$ Bil.	Mil.	Thou.
0734		0730	0736	0732	0731		
	All other basic organic chemicals						
	Synthetic organic alcohols, unmixed						
26	Methanol (methyl alcohol)	325199 G110 8					
27	Isopropyl alcohol	325199 G120 7					
28	Butyl alcohol	325199 G130 6					
29	Other	325199 G140 5					
30	Synthetic organic alcohols, mixed	325199 G210 6					
31	Synthetic organic rubber-processing chemicals	325199 K100 5					
32	Synthetic organic plasticizers	325199 N100 2					
33	Miscellaneous end use chemicals and chemical products, excluding urea	325199 T100 6					
34	Miscellaneous cyclic and acyclic chemicals and chemical products, except fatty acid esters . . .	325199 U200 3					
	Synthetic resin and rubber adhesives						
35	Polyvinyl acetate adhesives	325520 4541 4	1000 lb				
36	Hot-melt adhesives, including polyamide, polyolefin, and other hot melts	325520 43D1 9					
	All other synthetic resin and rubber adhesives (including all types of bonding and laminating adhesives) (Specify kind.) ↴						
37		325520 4YWV 3					
38	Surfactants (bulk surface active agents other than sulfonated oils and fats) (emulsifiers, penetrants, wetting agents, etc.)	325613 0241 8					
	Plastics, film and sheet, unsupported						
39	Vinyl and vinyl copolymer	326113 0341 6					
40	Other	326113 0YWW 8					
41	Polystyrene foam products, nsk	326140 WYWW 8					
42	Custom compounding of purchased resins	325991 1115 3					
43	Color concentrates	325991 1221 9					

CONTINUE WITH 22 ON PAGE 13

32512121

If not shown, please enter your 11-digit Census File Number (CFN) from the mailing address.

22 DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued

Line No.	Products and services	Census product code	Unit of measure for quantities	Products shipped and other receipts				
				Quantity	Value, f.o.b. plant			
					\$ Bil.	Mil.	Thou.	
0734		0730	0736	0732	0731			
	All other products made in this establishment - Specify and report each product with sales value of \$50,000 or more that cannot be assigned to one of the "listed products and services". For all remaining products, write "Other" and report a single total value.							
44		18						
45		26						
46		34						
47		42						
48		59						
49		67						
	Contract work - Receipts for work done for others on their materials (Specify products worked on and kind of work.) ↴							
50		000930 0000 8						
51	Miscellaneous receipts (including receipts for repair work, scrap, refuse, etc.)	000999 8000 5						
52	Resales - Sales of products bought and sold without further manufacture, processing, or assembly (The cost of such items should be reported in 15, line A2.)	000999 8900 6						
53	TOTAL (Should equal 4, line A)	770000 0000 8						

23-27 Not Applicable.



32512139

28 ESTABLISHMENT ACTIVITIES

A. Indicate activities that were performed by this establishment or were performed for this establishment by another company during 2002.
(Mark "X" ALL that apply.)

This activity was performed -			
By this establishment	By another establishment of this company	By another company	Not at all
0921 <input type="checkbox"/>	8071 <input type="checkbox"/>	0941 <input type="checkbox"/>	0961 <input type="checkbox"/>
1. Product design/engineering			
2. Order fulfillment			
0923 <input type="checkbox"/>	8072 <input type="checkbox"/>	0943 <input type="checkbox"/>	0963 <input type="checkbox"/>
a. Bundling or kitting (combining multiple items into a prepackaged product)			
0924 <input type="checkbox"/>	8073 <input type="checkbox"/>	0944 <input type="checkbox"/>	0964 <input type="checkbox"/>
b. Pick and pack (taking goods from inventory and packaging them to fill orders).			
0925 <input type="checkbox"/>	8074 <input type="checkbox"/>	0945 <input type="checkbox"/>	0965 <input type="checkbox"/>
c. Warehousing of finished products			
0926 <input type="checkbox"/>	8075 <input type="checkbox"/>	0946 <input type="checkbox"/>	0966 <input type="checkbox"/>
d. Breaking bulk (reducing large shipments into smaller portions for customers)			
0927 <input type="checkbox"/>	8076 <input type="checkbox"/>	0947 <input type="checkbox"/>	0967 <input type="checkbox"/>
e. Local delivery (within a city, town, or other local area, including adjoining towns and suburban areas)			
0928 <input type="checkbox"/>	8077 <input type="checkbox"/>	0948 <input type="checkbox"/>	0968 <input type="checkbox"/>
f. Long distance delivery (beyond local areas and commercial zones)			
0932 <input type="checkbox"/>	8078 <input type="checkbox"/>	0952 <input type="checkbox"/>	0972 <input type="checkbox"/>
g. Processing of returned merchandise			

B. During 2002 did this establishment:

- | | | |
|--|-----------------------------------|----------------------------------|
| 1. Manage inventory owned by this establishment AND held at this location? | 0936 <input type="checkbox"/> Yes | 0937 <input type="checkbox"/> No |
| 2. Manage inventory owned by this establishment BUT held at a customer's location? | 0956 <input type="checkbox"/> Yes | 0957 <input type="checkbox"/> No |
| 3. Manage inventory owned by another company BUT held at this location? | 0976 <input type="checkbox"/> Yes | 0977 <input type="checkbox"/> No |
| 4. Manage inventory owned by another company AND held somewhere other than at this location? | 0994 <input type="checkbox"/> Yes | 0995 <input type="checkbox"/> No |
| 5. Contract with another firm for any of your production using materials owned by this location? | 8041 <input type="checkbox"/> Yes | 8042 <input type="checkbox"/> No |
| 6. Send any partially completed products to a foreign facility for processing that were then returned to this establishment for completion? | 8044 <input type="checkbox"/> Yes | 8045 <input type="checkbox"/> No |
| 7. Manufacture products for a government to their specifications? | 8047 <input type="checkbox"/> Yes | 8048 <input type="checkbox"/> No |
| 8. Manufacture products for another business to their specifications? | 8016 <input type="checkbox"/> Yes | 8017 <input type="checkbox"/> No |
| 9. Manufacture products for a final retail customer to their specifications? | 8060 <input type="checkbox"/> Yes | 8062 <input type="checkbox"/> No |



32512147

If not shown, please enter your 11-digit Census File Number (CFN) from the mailing address.

29 OPERATIONAL STATUS

Activity that best describes this establishment's status at the end of 2002
(Mark "X" only ONE box.)

- 0011 In operation
- 0012 Under construction, development, or exploration
- 0013 Temporarily or seasonally inactive
- 0014 Ceased operation - Give date at right →
- 0015 Sold or leased to another operator - Give date at right AND enter new name and mailing address below ↴

0018	Month	Day	Year

0060 Name of new owner or operator		0061 Employer Identification Number		
		Enter EIN of new owner (9 digits) →		
0062 Mailing address (number and street, P.O. Box, etc.)				
0063 City, town, village, etc.		0064 State	0065 ZIP Code	

Remarks (Please use this space for any explanations that may be essential in understanding your reported data.)

30 CERTIFICATION - This report is substantially accurate and was prepared in accordance with the instructions.

Is the time period covered by this report a calendar year?

0078 Yes 0079 No - Enter time period covered →

FROM	Month	Year	TO	Month	Year
0070			0071		

0072 Name of person to contact regarding this report		0073 Title			

Telephone	Area code	Number		Extension	Fax	Area code	Number	
0074		-			0075		-	

0076 Internet e-mail address			Date completed	Month	Day	Year
			0069			

Thank you for completing your 2002 Economic Census form.
PLEASE PHOTOCOPY THIS FORM FOR YOUR RECORDS AND RETURN THE ORIGINAL.

32512154