

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Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.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

**Produced and Consumed** - Industrial Chemicals - Report the quantities produced and used in manufacturing other products made in this establishment in **16**. Note that the materials used to produce these items should be reported in **2**.

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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			
<b>1</b>	Acids (except spent acids), including hydrochloric, hydrofluoric, nitric, and sulfuric . . . . .	325000 02 4	↑ short tons ↓					
<b>2</b>	Ammonia, synthetic anhydrous (100 percent NH <sub>3</sub> ) . . . . .	325311 03 3						
<b>3</b>	Chlorine (100 percent Cl) . . . . .	325181 03 0						
<b>4</b>	Sodium hydroxide (100 percent NaOH) (caustic soda) . . . . .	325181 07 1						
<b>5</b>	All other industrial inorganic chemicals . . . . .	325000 71 9						
<b>6</b>	Acetylene and other industrial gases, compressed and liquefied, including argon, carbon dioxide, nitrogen, nitrous oxide, etc. . . . .	325120 01 2						
<b>7</b>	Other alcohols, including amyl, butyl, methyl, and propyl . . . . .	325100 67 5						
<b>8</b>	Toluene and xylene (100 percent basis) . . . . .	325192 13 6	↑ 1000 lb ↓					
<b>9</b>	Phenol (100 percent basis) . . . . .	325192 05 2						
<b>10</b>	Orthoxylene and paraxylene (100 percent basis) . . . . .	325192 31 8						
<b>11</b>	Benzol (benzene) (100 percent C <sub>6</sub> H <sub>6</sub> ) . . . . .	324110 13 9						

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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			
<b>12</b>	Other cyclic crudes and intermediates . . . . .	325192 33 4	1000 lb					
<b>13</b>	Acetone (natural and synthetic) . . . . .	325100 75 8						
<b>14</b>	Other synthetic organic chemicals, nec . . . . .	325100 A5 4						
	Hydrocarbons used as raw materials or feedstocks (Do not include fuel or energy reported in <b>15</b> , line A3.)		mil ft <sup>3</sup>					
<b>15</b>	Natural gas . . . . .	211110 13 5						
<b>16</b>	Ethane . . . . .	324110 31 1	1000 lb					
<b>17</b>	Ethylene . . . . .	324110 33 7						
<b>18</b>	Propane . . . . .	324110 35 2						
<b>19</b>	Propylene . . . . .	324110 37 8						
<b>20</b>	Butane and isobutane . . . . .	324110 39 4						
<b>21</b>	Butylene and isobutylene . . . . .	324110 41 0						
<b>22</b>	Other . . . . .	001900 12 5						
<b>23</b>	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc. . . . .	325211 05 0						
<b>24</b>	Parts and attachments for machinery and equipment . . . . .	333000 15 6						
<b>25</b>	Metal containers . . . . .	332400 00 1						
<b>26</b>	Cost of all other materials and components, parts, containers, and supplies consumed (Specify the principal materials, etc., included in this value.) ↴	009700 99 8						
<b>27</b>	<b>TOTAL</b> (Should equal total reported in <b>15</b> , line A1)	771000 00 7						

**17-21** Not Applicable.

32501090

**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				
	Aliphatics made from purchased refinery products								
1	Chemical raw material . . . . .	325110 4111 6							
2	Other uses . . . . .	325110 4121 5							
	Aromatics made from purchased refinery products								
3	Chemical raw material . . . . .	325110 1111 9							
4	Other uses . . . . .	325110 1121 8							
5	Fluorocarbon gases . . . . .	325120 G100 5							
6	Sodium hydroxide (caustic soda) . . . . .	325181 4100 0							
	All other basic inorganic chemicals								
7	Carbon bisulfide (disulfide) . . . . .	325188 G130 9							
8	Recovered elemental sulfur from natural gas . .	325188 G110 1							
	Other inorganic chemicals, nec (Specify kind.) ↘								
9		325188 G120 0							
10	Tar, tar crudes, and tar pitches . . . . .	325192 4100 7							
11	Cyclic (coal tar) intermediates . . . . .	325192 1100 0							
	All other basic organic chemicals								
12	Bulk pesticides and other bulk synthetic organic agricultural chemicals, except preparations . . .	325199 4100 2							
13	Industrial organic flavor oil mixtures and blends	325199 7100 9							

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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 - Continued							
	Synthetic organic alcohols, unmixed							
14	Methanol (methyl alcohol) . . . . .	325199 G110 8						
15	Isopropyl alcohol . . . . .	325199 G120 7						
16	Butyl alcohol . . . . .	325199 G130 6						
17	Other . . . . .	325199 G140 5						
18	Synthetic organic alcohols, mixed . . . . .	325199 G210 6						
19	Synthetic organic chemical compounds for use as flavor and perfume materials, mixed . . . . .	325199 H121 4						
20	Synthetic organic rubber-processing chemicals	325199 K100 5						
21	Synthetic organic plasticizers . . . . .	325199 N100 2						
22	Other synthetic organic chemicals, nec . . . . .	325199 R100 8						
23	Miscellaneous end-use chemicals and chemical products (excluding urea), and other industrial organic chemicals, nec . . . . .	325199 T100 6						
24	Miscellaneous cyclic and acyclic chemicals and chemical products, except fatty acid esters . . . . .	325199 U200 3						
	Thermoplastic resins and plastics materials							
25	Polyethylene . . . . .	325211 1110 7	1000 lb					
26	Polypropylene . . . . .	325211 1120 6						
27	Polystyrene . . . . .	325211 1130 5						
28	Polyvinyl chloride . . . . .	325211 1140 4						
29	Polyester . . . . .	325211 1150 3						
30	Other . . . . .	325211 1160 2						
	Thermosetting resins and plastics materials							
31	Phenolic . . . . .	325211 4110 4	1000 lb					
32	Urea . . . . .	325211 4120 3						
33	Polyester . . . . .	325211 4130 2						
34	Epoxy . . . . .	325211 4140 1						
35	Other . . . . .	325211 4150 0						

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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		
36	Butyl, polychloroprene, and stereo polyisoprene elastomers, including latex . . . . .	325212 0321 9	1000 lb				
37	Motor gasoline, including finished base stocks and blending agents . . . . .	324110 1121 9					
38	Lubricating oils (including hydraulic fluids, quenching and cutting oils, transformer oils, liquid rust preventives, etc.), not made in a refinery . . .	324191 0111 1	1000 bbl				
	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.						
39		18					
40		26					
41		34					
42		42					
43		59					
44		67					
	Contract work - Receipts for work done for others on their materials (Specify products worked on and kind of work.) ↴						
45		000930 0000 8					
46	Miscellaneous receipts (including receipts for repair work, scrap, refuse, etc.) . . . . .	000999 8000 5					
47	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					
48	<b>TOTAL</b> (Should equal 4, line A) . . . . .	770000 0000 8					

23-27 Not Applicable.



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

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



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**29 OPERATIONAL STATUS**

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

0011 <input type="checkbox"/> In operation	0013 <input type="checkbox"/> Temporarily or seasonally inactive							
0012 <input type="checkbox"/> Under construction, development, or exploration	0014 <input type="checkbox"/> Ceased operation - Give date at right →	0018 <table border="1"> <tr> <th>Month</th> <th>Day</th> <th>Year</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	Month	Day	Year			
Month	Day	Year						
	0015 <input type="checkbox"/> Sold or leased to another operator - Give date at right AND enter new name and mailing address below ↴	→						

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 <input type="checkbox"/> Yes	0079 <input type="checkbox"/> No - Enter time period covered →	FROM 0070	Month	Year	TO 0071	Month	Year	
0072 Name of person to contact regarding this report				0073 Title				
Telephone 0074		Area code	Number		Extension	Fax 0075		
			-			-		
0076 Internet e-mail address					Date completed 0069	Month	Day	Year

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

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