

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Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.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

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			
	Acids (excluding spent acids)		↑ short tons ↓					
<b>1</b>	Phosphoric acid (100 percent P <sub>2</sub> O <sub>5</sub> ) . . . . .	325312 01 5						
<b>2</b>	Sulfuric acid (100 percent H <sub>2</sub> SO <sub>4</sub> ) . . . . .	325188 05 0						
<b>3</b>	Chlorine (100 percent Cl) . . . . .	325181 03 0						
<b>4</b>	Phosphorus, elemental (technical) . . . . .	325188 37 3						
<b>5</b>	Sodium carbonate (58 percent Na <sub>2</sub> O) (soda ash) . .	325181 05 5						
<b>6</b>	Sodium hydroxide (100 percent NaOH) (caustic soda) . . . . .	325181 07 1						
<b>7</b>	Salt in brine . . . . .	001900 31 5						
<b>8</b>	Other industrial inorganic chemicals . . . . .	325000 A5 6						
<b>9</b>	Synthetic organic chemicals . . . . .	325100 91 5						
	Crude materials		↑ short tons ↓					
<b>10</b>	Bauxite . . . . .	212299 03 6						
<b>11</b>	Phosphate rock . . . . .	212392 00 5						

CONTINUE WITH **16** ON PAGE 9

CONTINUE ON PAGE 9

32507089

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			
	Crude materials - Continued							
<b>12</b>	Sulfur . . . . .	212393 03 7	long tons					
<b>13</b>	Iron and ferroalloy ores, including tungsten, chromite, manganese, molybdenum, and cobalt	212200 21 6						
<b>14</b>	Nonferrous metal ores, including copper, mercury, vanadium, titanium, platinum, etc. . .	212200 23 2						
<b>15</b>	All other crude chemical nonmetallic minerals, including barite, borate, potash, fluorspar, rock salt, etc. . . . .	212390 01 7						
<b>16</b>	Coke, including breeze, used as a raw material . .	324199 03 3	short tons					
	Other parts, materials, and accessories							
<b>17</b>	Parts and attachments for machinery and equipment . . . . .	333000 15 6						
<b>18</b>	Paperboard boxes and containers and corrugated paperboard . . . . .	322210 01 4						
<b>19</b>	Metal containers . . . . .	332400 00 1						
<b>20</b>	Cost of all other materials and components, parts, containers, and supplies consumed ( <i>Specify the principal materials, etc., included in this value.</i> ) ↴	009700 99 8						
<b>21</b>	<b>TOTAL</b> ( <i>Should equal total reported in 15, line A1</i> )	771000 00 7						

**17-21** Not Applicable.



32507097

**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."

**Detailed Data Reported Elsewhere** - Items denoted by an asterisk (\*) require totals for groups of products covered in the more frequent Current Industrial Reports (CIR). If you report on the CIR form, the sum of the detailed products should equal the total reported on this form.

**NOTE:** Only totals are requested; do not duplicate detail reported on the CIR.

Line No.	Products and services *Items correspond to products reported on Current Industrial Reports (CIR)	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			
<b>1</b>	Sulfuric acid (Corresponds to value of shipments reported on CIR Form MQ325B, Fertilizers and Related Chemicals, for 2002, item codes 3100 - 3300)* . . . . .	325188 1100 8						
<b>2</b>	Inorganic acids, except nitric, sulfuric, and phosphoric (Corresponds to value of shipments reported on CIR Form MQ325A, Inorganic Chemicals, for 2002, item codes 3445 - 3451)* . . .	325188 4100 5						
<b>3</b>	Other inorganic aluminum compounds (Corresponds to value of shipments reported on CIR Form MQ325A, Inorganic Chemicals, for 2002, item codes 3617 - 3673)* . . . . .	325188 7100 2						
<b>4</b>	Potassium and sodium compounds, except bleaches, alkalies, and alum (Corresponds to value of shipments reported on CIR Form MQ325A, Inorganic Chemicals, for 2002, item codes 3703 - 3784)* . . . . .	325188 A100 8						
<b>5</b>	Chemical catalytic preparations, excluding silica gel catalyst . . . . .	325188 D100 5						
<b>6</b>	Carbon bisulfide (disulfide) . . . . .	325188 G130 9						
<b>7</b>	Recovered elemental sulfur from natural gas . . . . .	325188 G110 1						
<b>8</b>	Other inorganic chemicals, nec (Specify kind.) ↴  	325188 G120 0						
<b>9</b>	Industrial gases Acetylene (Corresponds to value of shipments reported on CIR Form MQ325C, Industrial Gases, for 2002, item codes 2106 - 2108)* . . .	325120 1100 1						
<b>10</b>	Fluorocarbon gases . . . . .	325120 G100 5						

CONTINUE WITH **22** ON PAGE 11

CONTINUE ON PAGE 11

32507105

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 *Items correspond to products reported on Current Industrial Reports (CIR)	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			
11	Chrome colors and other inorganic pigments Chrome colors . . . . .	325131 7110 1						
12	Iron oxide pigments . . . . .	325131 7211 7						
13	Alkalies and chlorine Chlorine, compressed or liquefied (Corresponds to value of shipments reported on CIR Form MQ325A, Inorganic Chemicals, for 2002, item codes 2111 - 2115)* . . . . .	325181 1100 3						
14	Sodium hydroxide (caustic soda) (Corresponds to value of shipments reported on CIR Form MQ325A, Inorganic Chemicals, for 2002, item code 2352)* . . . . .	325181 4100 0						
15	Other alkalies (Report alkaline detergents on lines 43, 44, 45, 46, 47, and 48.) (Corresponds to value of shipments reported on CIR Form MQ325A, Inorganic Chemicals, for 2002, item codes 2421 - 2430)* . . . . .	325181 7100 7						
16	Cyclic (coal tar) intermediates . . . . .	325192 1100 0						
17	All other basic organic chemicals Bulk pesticides and other bulk synthetic organic agricultural chemicals, except preparations . . .	325199 4100 2						
18	Reagent and high-purity grades of organic chemicals refined from purchased technical grades . . . . .	325199 A100 5						
19	Synthetic organic alcohols, unmixed Methanol (methyl alcohol) . . . . .	325199 G110 8						
20	Isopropyl alcohol . . . . .	325199 G120 7						
21	Butyl alcohol . . . . .	325199 G130 6						
22	Other . . . . .	325199 G140 5						
23	Synthetic organic alcohols, mixed . . . . .	325199 G210 6						
24	Synthetic organic plasticizers . . . . .	325199 N100 2						
25	Other synthetic organic chemicals, nec . . . . .	325199 R100 8						
26	Miscellaneous end-use chemicals and chemical products (excluding urea), and other industrial organic chemicals, nec . . . . .	325199 T100 6						
27	Miscellaneous cyclic and acyclic chemicals and chemical products, except fatty acid esters . . .	325199 U200 3						

CONTINUE WITH 22 ON PAGE 12

32507113

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

Line No.	Products and services *Items correspond to products reported on Current Industrial Reports (CIR)	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		↑ 1000 lb ↓					
28	Polyethylene . . . . .	325211 1110 7						
29	Polypropylene . . . . .	325211 1120 6						
30	Polystyrene . . . . .	325211 1130 5						
31	Polyvinyl chloride . . . . .	325211 1140 4						
32	Polyester . . . . .	325211 1150 3						
33	Other . . . . .	325211 1160 2						
34	Synthetic ammonia, nitric acid, and ammonium compounds (Corresponds to value of shipments reported on CIR Form MQ325B, Fertilizer Materials and Related Chemicals, for 2002, item codes 5301, 6111 - 6121, 6241 - 6291)* . . . . .	325311 1100 6						
35	Phosphoric acid (Corresponds to value of shipments reported on CIR Form MQ325B, Fertilizer Materials and Related Chemicals, for 2002, item codes 5401 and 5441)* . . . . .	325312 1100 4						
36	Chlorine bleaching compounds, household, liquid (sodium hypochlorite, etc.) . . . . .	325612 1111 4	1000 gal					
37	Surfactants (bulk surface active agents) . . . . .	325613 0241 8						
38	Prepared photographic chemicals, office copy toners . . . . .	325992 5101 7						
39	Chemical preparations, nec, including essential oils, automotive chemicals, and water-treating compounds Activated and reactivated carbon, pulverized and granular (Corresponds to value of shipments reported on CIR Form MQ325A, Inorganic Chemicals, for 2002, item codes 3989 - 3990)* . . . . .	325998 H1G1 4						
40	Other industrial chemical specialties, including fluxes, insulation products (heat, electrical, other), and embalming preparations ( <i>Specify kind.</i> ) ↘  	325998 H1U1 0						
41	Aluminum oxide, excluding natural alumina (Corresponds to value of shipments reported on CIR Form MQ325A, Inorganic Chemicals (Production and Stock), for 2002)* . . . . .	331311 0100 9						
42	Dressed dimension limestone (including dolomite, travertine, calcareous, tufa, and cut limestone), nsk	327991 4YWV 4						

CONTINUE WITH **23** ON PAGE 13

32507121

**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 *Items correspond to products reported on Current Industrial Reports (CIR)	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			
<b>43</b>	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.	18						
<b>44</b>		26						
<b>45</b>		34						
<b>46</b>		42						
<b>47</b>		59						
<b>48</b>		67						
<b>49</b>	Contract work - Receipts for work done for others on their materials (Specify products worked on and kind of work.) ↴	000930 0000 8						
<b>50</b>	Miscellaneous receipts (including receipts for repair work, scrap, refuse, etc.)	000999 8000 5						
<b>51</b>	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						
<b>52</b>	<b>TOTAL</b> (Should equal 4, line A)	770000 0000 8						

**23-27** Not Applicable.



32507139

**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"/>
<b>1.</b> Product design/engineering . . . . .			
<b>2.</b> Order fulfillment			
0923 <input type="checkbox"/>	8072 <input type="checkbox"/>	0943 <input type="checkbox"/>	0963 <input type="checkbox"/>
<b>a.</b> 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>b.</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"/>
<b>c.</b> Warehousing of finished products . . . . .			
0926 <input type="checkbox"/>	8075 <input type="checkbox"/>	0946 <input type="checkbox"/>	0966 <input type="checkbox"/>
<b>d.</b> 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"/>
<b>e.</b> 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"/>
<b>f.</b> 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"/>
<b>g.</b> Processing of returned merchandise . . . . .			

**B.** During 2002 did this establishment:

- |  |                                   |                                  |
|--|-----------------------------------|----------------------------------|
| <b>1.</b> Manage inventory owned by this establishment AND held at this location? . . . . .  | 0936 <input type="checkbox"/> Yes | 0937 <input type="checkbox"/> No |
| <b>2.</b> Manage inventory owned by this establishment BUT held at a customer's location? . . . . .  | 0956 <input type="checkbox"/> Yes | 0957 <input type="checkbox"/> No |
| <b>3.</b> Manage inventory owned by another company BUT held at this location? . . . . .   | 0976 <input type="checkbox"/> Yes | 0977 <input type="checkbox"/> No |
| <b>4.</b> Manage inventory owned by another company AND held somewhere other than at this location? . . . . .  | 0994 <input type="checkbox"/> Yes | 0995 <input type="checkbox"/> No |
| <b>5.</b> 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 |
| <b>6.</b> 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 |
| <b>7.</b> Manufacture products for a government to their specifications? . . . . .   | 8047 <input type="checkbox"/> Yes | 8048 <input type="checkbox"/> No |
| <b>8.</b> Manufacture products for another business to their specifications? . . . . .   | 8016 <input type="checkbox"/> Yes | 8017 <input type="checkbox"/> No |
| <b>9.</b> Manufacture products for a final retail customer to their specifications? . . . . .  | 8060 <input type="checkbox"/> Yes | 8062 <input type="checkbox"/> No |



32507147

**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.**

32507154