

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

17 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 **22**. 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.

Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.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

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 **16**, 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 **16**, line A2, not in **17**. The value of these products shipped by this establishment should be reported in **22** under Census product code 999899 1000, "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 **22**.

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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			
1	Acids (excluding spent acids)							
	Hydrochloric acid (100 percent HCl)	325188 07						
2	Nitric acid (100 percent HNO ₃)	325311 01						
3	Sulfuric acid (100 percent H ₂ SO ₄)	325188 05						
4	Ammonia, synthetic anhydrous (100 percent NH ₃)	325311 03	↑ short tons ↓					
5	Chlorine (100 percent Cl)	325181 03						
6	Sodium hydroxide (100 percent NaOH) (caustic soda)	325181 07						
7	Alkalies and chlorine	325181 01						

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17 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			
8	Other industrial inorganic chemicals (Specify kind) ↴ 	325100 72						
9	Acetylene and other industrial gases (compressed and liquefied) (including argon, carbon dioxide, nitrogen, nitrous oxide, etc.)	325192 01						
10	Alcohol, ethyl (pure and denatured)	325192 00						
11	Other alcohols (including amyl, butyl, methyl, and propyl) (Specify kind) ↴ 	325190 67						
12	Toluene and xylene (100 percent basis)	320000 14	1000 bbl					
13	Phenol (100 percent basis)	325192 05						
14	Orthoxylene and paraxylene (100 percent basis)	325192 31	1000 lb					
15	Benzol (benzene) (100 percent C ₆ H ₆)	324110 13						
16	Other cyclic crudes and intermediates (Specify kind) ↴ 	325192 33						
17	Acetone (natural and synthetic)	325190 75						
18	Other synthetic organic chemicals (Specify kind) ↴ 	325100 87						

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17 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			
	Hydrocarbons used as raw materials or feedstocks (Do not include fuel or energy reported in 16, line A3.)							
19	Ethylene	324110 33						
20	Ethane	324110 31						
21	Propane	324110 35	1000 lb					
22	Propylene	324110 37	↓					
23	Butane and isobutane	324110 39						
24	Butylene and isobutylene	324110 41						
	Other hydrocarbons used as raw materials or feedstocks (Specify kind) ↴							
25		001900 12						
26	Sulfur	212393 03	long tons					
27	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	325211 05						
28	Agricultural products (crude) (including flowers, grains, seeds, herbs, etc.)	111000 33						
29	Crude nonmetallic minerals (including limestone, clay, gypsum, talc, etc.)	212300 09						
30	Fats and oils, all types, purchased	311000 12	1000 lb					
31	Natural gas, natural gasoline, and isopentane	211110 02						
32	Wood rosin, turpentine, and other wood chemicals (including tall oil)	325191 01						
33	Parts and attachments for machinery and equipment	333000 15						

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17 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			
	Containers							
34	Plastics	326199 29						
35	Paperboard containers, boxes, and corrugated paperboard	322210 01						
36	Metal	331000 00						
37	Cost of all other materials and components, parts, containers, and supplies consumed (Specify the principal materials, etc., included in this value.)	009700 99						
38	TOTAL (Should equal total reported in 16, line A1)	771000 00						

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18-21 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 **22**. 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 999899 2000.

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 999899 1000, "Resales."

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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			
1	Fatty acids Fatty acid esters (excluding biodiesel fuels)	325199 1105						
2	Biodiesel fuels	325199 1110	1000 lb					
3	All other fatty acids (produced for sale as such)	325199 1115						
4	Bulk pesticides and other bulk synthetic organic agricultural chemicals (excluding preparations)	325199 1120						
5	Industrial organic flavor oil mixtures and blends	325199 7100						
6	Reagent and high-purity grades of organic chemicals refined from purchased technical grades	325199 A100						
7	Natural organic chemicals (including salts, alcohols, and esters) (excluding plasticizers and surface active agents) (Specify kind) ↴ [Redacted]	325199 E100						
8	Synthetic organic alcohols, unmixed Methanol (methyl alcohol)	325199 G110						
9	Isopropyl alcohol	325199 G120						
10	Butyl alcohol	325199 G130						
11	Other synthetic organic alcohols, unmixed (Specify kind) ↴ [Redacted]	325199 G140						
12	Synthetic organic alcohols, mixed	325199 G210						
13	Synthetic organic chemicals for use as flavor and perfume materials, mixed and unmixed	325199 H100						
14	Synthetic organic rubber-processing chemicals	325199 K100						

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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			
15	Synthetic organic plasticizers	325199 N100						
16	Liquefied refinery gases (aliphatics), for use as a chemical raw material, made in petrochemical plants	325110 4111						
17	Aromatics (benzene, toluene, xylene, etc.), for use as a chemical raw material, made in petrochemical plants	325110 1111						
18	Lubricating oils (including hydraulic fluids, quenching and cutting oils, transformer oils, liquid rust preventives, etc.), made from refined petroleum	324191 0111						
19	Synthetic organic dyes	325132 1100						
20	Cyclic (coal tar) intermediates	325192 1100						
21	Tar, tar crudes, and tar pitches	325192 4100						
Resins and plastics materials			↑ 1000 lb ↓					
Thermoplastic								
22	Polyethylene	325211 1110						
23	Polypropylene	325211 1120						
24	Polystyrene	325211 1130						
25	Polyvinyl chloride	325211 1140						
26	Polyester	325211 1150						
Other thermoplastic resins and plastics materials (<i>Specify kind</i>) ↘								
27		325211 1160						
Thermosetting			↑ 1000 lb ↓					
28	Phenolic	325211 4110						
29	Urea	325211 4120						

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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			
	Resins and plastics materials - Continued		↑ 1000 lb ↓					
	Thermosetting - Continued							
30	Polyester	325211 4130						
31	Epoxy	325211 4140						
	Other thermosetting resins and plastics materials (<i>Specify kind</i>)							
32		325211 4150						
	Synthetic rubber (vulcanizable elastomers)							
33	Nitrile rubber (including latex)	325212 0311						
34	Ethylene-propylene elastomers (including latex)	325212 0511						
35	Silicone elastomers	325212 0611						
36	Thermoplastics elastomers	325212 0811						
37	Rayon, acetate, and lyocell textured yarn (including strip), made by filament yarn producers	325221 0131						
38	Urea	325311 4100						
	Synthetic organic medicinal chemicals, medicinal and botanical drugs, chemicals, and products, in bulk, alkaloid drugs, naturally occurring vitamins, etc.							
39	For human use	325411 0111						
40	For veterinary use	325411 0121						
41	Commercial, industrial, and institutional soaps (excluding specialty cleaners)	325611 1751						
42	Surfactants (bulk surface active agents)	325613 0241						

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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			
43	Other synthetic organic chemicals (Specify kind) ↴	325199 R100						
44	Miscellaneous end use chemicals and chemical products (excluding urea) (Specify kind) ↴	325199 T100						
45	Miscellaneous cyclic and acyclic chemicals and chemical products (excluding fatty acid esters) (Specify kind) ↴	325199 V100						
46	Chlorine, compressed or liquefied	325181 1100						
47	Sodium hydroxide (caustic soda)	325181 4100						
48	Sulfuric acid	325188 1100						
49	Phosphoric acid	325312 1100						
50	Chemical catalytic preparations (excluding silica gel catalyst)	325188 D100						
51	All other inorganic chemicals (Specify kind) ↴	325188 H100						
52	Chemical preparations, other (Specify kind) ↴	325998 J1V1						
53	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 pre-listed products and services. For all remaining products, write "Other" and report a single total value.)	18						

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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			
54		26						
55		34						
56		42						
57		59						
58		67						
59	Contract work - Receipts for work done for others on their materials (Specify products worked on and kind of work.) ↴							
		999899 2000						
60	Resales - Sales of products bought and sold without further manufacture, processing, or assembly (The cost of such items should be reported in 19, line A2.)							
		999899 1000						
61	Miscellaneous receipts (including receipts for repair work, sales of scrap and refuse, etc.)							
		999899 9000						
62	TOTAL (Should equal total reported in 5)	770000 0000						

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23-25 Not Applicable.

32511198



26 SPECIAL INQUIRIES

A. PURCHASE OF CONTRACT MANUFACTURING

1. Did this establishment **purchase** contract manufacturing services from other companies or foreign plants of your company in 2012?

Include:

- Products for which the manufacturing (i.e., transforming or otherwise processing materials or components based on specifications provided by your company) was outsourced to other companies.
- Products for which the manufacturing was performed by your company's foreign plants.

Exclude:

- Services for packaging and assembling.
- Purchases of merchandise for resale (sale of products bought and sold without further processing or transformation).

1011 Yes - Go to line 2

1012 No - Go to **B**

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2. Report the costs incurred by this establishment for contract manufacturing purchases in 2012. 1013

2012		
\$ Bil.	Mil.	Thou.
[] [] []	[] [] [] [] []	[] [] [] []

3. Report the value of sales, shipments, receipts, or revenue generated in 2012 from products whose purchases were reported as contract manufacturing costs in line 2 1015

2012		
\$ Bil.	Mil.	Thou.
[] [] []	[] [] [] [] []	[] [] [] []

B. RECEIPTS FROM CONTRACT MANUFACTURING

1. Did this establishment **provide** contract manufacturing services to others in 2012 (*regardless of materials ownership*)?

Include:

- Products manufactured at this location (i.e., transforming or otherwise processing materials or components based on specifications provided by the contracting company).
- Products manufactured and transferred to other plants of your company.
- Products manufactured and exported.

Exclude:

- Services for packaging and assembling.
- Sales of products purchased and sold without further processing or transformation.

1017 Yes - Go to line 2

1018 No - Go to **30**

2. Report the value of sales, shipments, receipts, or revenue generated in 2012 from contract manufacturing performed at this location for others (**regardless of materials ownership and based on specifications provided by the contracting company**) 1019

2012		
\$ Bil.	Mil.	Thou.
[] [] []	[] [] [] [] []	[] [] [] []

Please describe the product(s) being manufactured for others at this establishment. ↴

1020

27-29 Not Applicable.

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

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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?

Yes

No - Enter time period covered →

FROM	Month	Year	TO	Month	Year
	<input type="text"/>	<input type="text"/>		<input type="text"/>	<input type="text"/>

Name of person to contact regarding this report

Title

Area code	Number	Extension
<input type="text"/>	<input type="text"/>	<input type="text"/>

Area code	Number
<input type="text"/>	<input type="text"/>

E-mail address

Date completed	Month	Day	Year
	<input type="text"/>	<input type="text"/>	<input type="text"/>

**Thank you for completing your 2012 ECONOMIC CENSUS form.
PLEASE PHOTOCOPY THIS FORM FOR YOUR RECORDS AND RETURN THE ORIGINAL.**

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