

CURRENT INDUSTRIAL REPORTS SERIES

2008

MQ325A — INORGANIC CHEMICALS (SHIPMENTS AND PRODUCTION)

DEFINITIONS AND SPECIAL INSTRUCTIONS

1. Scope of survey

This survey covers all manufacturers of selected inorganic chemicals in the United States.

2. Figures to be reported

Companies with more than one establishment manufacturing the products covered by this survey are requested to complete a separate form for each location. If you have not received a separate report form for each of your establishments, please call the contact shown on the report form or write to the U.S. Census Bureau for additional forms.

a. Production

Report total quantity produced of each specified chemical product, whether sold, transferred, added to inventory, or used in further processing. Unless otherwise instructed, when two or more physical forms of a specific chemical are listed, report production for each form, including quantities which are subsequently used in producing other physical modifications of the chemical. Include products made elsewhere for this establishment on a contract basis from materials supplied by you. Exclude products made for you by others from their materials.

b. Quantity and value of shipments

The figures on quantity and value of shipments should include the physical shipments of all products sold, transferred to other establishments within your company, or shipped on consignment, whether for domestic or export sale. The value represents the net sales price, f.o.b. plant, to the customer or branch to which the products are shipped, net of discounts, allowances, freight charges, and returns. Shipments to your own branches should be assigned the same value as comparable sales to unaffiliated customers, i.e., the value includes an appropriate allocation of company overhead and profit. Products bought and resold without further manufacture or packaging should not be included in shipments.

c. Units of measure

If possible, please report in terms of the basis and unit of measure requested. If this is not possible, be sure to indicate precisely the basis and unit of measure which actually apply to the reported figures. If neither basis nor unit of measure is indicated on the form, report value of shipments only. (See footnote (1) on Reference List.)

d. Columnar structure of the report

When posting your figures to the original report, please be sure to report the information in the correct columns:

Column 1 — Production

Column 2 — Quantity of shipments

Column 3 — Value of shipments

3. Definitions

The product detail for this survey, as shown in the Reference List, is defined according to standard nomenclature for this industry.

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4. Comparability

If you also report in the Annual Survey of Manufactures (Form MA-10000), the sum of values for item codes shown in column (a) should correspond to the dollar values reported under product class codes indicated in column (b) below:

Current Industrial Reports (CIR) (Form MQ325A) Item codes (a)	Annual Survey of Manufactures Product class codes (b)
2111, 2115	3251811
2421, 2430	3251817
3445, 3447, 3451	3251884
3511	3313110
3617 through 3673	3251887
3703 through 3784	325188A
3245, 3913-3946, 4006-4120	325188H
6111	3251311

CURRENT INDUSTRIAL REPORTS SERIES

REFERENCE LIST

FORM MQ325A		
INORGANIC CHEMICALS (SHIPMENTS AND PRODUCTION)		
<p>This reference list has been arranged to help you identify and list products on report Form MQ325A, Shipments and Production of Inorganic Chemicals. To assist you in locating specific products, the list has been arranged by major product groupings. Within product groupings, products are generally arranged alphabetically according to the metallic (basis) element. When a compound contains two metallic elements, it should be reported according to the metal-giving properties for which the compound is generally used, such as aluminates under aluminum compounds.</p>		
Report all quantities on Short Ton Basis (2,000 lbs.), unless otherwise instructed		
Product code	Item code	Item description
3251811111 3251811121	2111 2115	<p>GASES, COMPRESSED AND LIQUEFIED</p> <p>ALKALIES AND CHLORINE</p> <p>Chlorine Gas (including quantities later liquefied) (Basis — 100% Cl) Liquid (also report as gas production) (Basis — 100% Cl)</p>
3251814111	2352	<p>Sodium hydroxide (caustic soda) (all processes) Total liquid (Report total production including that converted to and reported as dry) (Basis — 100% NaOH)</p>
3251817111	2421	<p>Other alkalies Potassium hydroxide (caustic potash) Liquid (include in production quantities of liquid that are later converted to dry or solid) (Basis — 88-92% KOH)</p>
3251817131	2430	<p>Finished sodium bicarbonate (Basis — 100% NaHCO₃)</p>
325188H1P4 3251881100 3251884125 3251884131 3251884141	3245 3445 3447 3451	<p>INDUSTRIAL INORGANIC CHEMICALS, N.E.C.</p> <p>Chlorine bleaches and other inorganic bleaching compounds (produced for sale) (Note: for inorganic bleaches not containing chlorine, report quantity based on equivalent oxidizing value such as active oxygen content.)</p> <p>Industrial bleaches, liquid (7 percent or more available chlorine or equivalent oxidizing value) and dry (50 percent or more available chlorine or equivalent oxidizing value) (Basis - 100% Cl equiv.)</p> <p>Sulfuric acid (Report on MQ325B)</p> <p>Inorganic acids, except nitric and sulfuric Hydrochloric (including anhydrous) From chlorine and hydrogen (Basis — 100% HCl) Byproduct and other (including from salt and acid) (Basis — 100% HCl) Hydrocyanic (including anhydrous) (Basis — 100% HCN)</p>

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REFERENCE LIST — Continued

FORM MQ325A		
Report all quantities on Short Ton Basis (2,000 lbs.), unless otherwise instructed		
Product code	Item code	Item description
		INDUSTRIAL INORGANIC CHEMICALS, N.E.C. — Continued
3313110100	3511	Aluminum oxide, except natural alumina (Basis — 100% Al ₂ O ₃)
		Other aluminum compounds
3251887121	3617	Chloride, anhydrous (Basis 100% AlCl ₃)
3251887131	3625	Hydroxide, trihydrate (Basis — 100% Al ₂ O ₃ ·3H ₂ O)
		Sulfate
3251887151	3651	Commercial (Basis — 17% Al ₂ O ₃)
3251887161	3655	Iron-free (Basis — 17% Al ₂ O ₃)
3251887171	3673	Aluminates (sodium aluminate, potassium aluminate, etc.) (Basis — 100% by weight)
		Potassium and sodium compounds (except bleaches, alkalies, and alums) Potassium compounds, n.e.c.
325188A111	3703	Iodide (Basis — 100% KI)
325188A117	3708	Tetrapotassium pyrophosphate (Basis — 100% K ₄ P ₂ O ₇)
325188A124	3712	Potassium phosphates (Basis — 100% by weight)
		Sodium compounds n.e.c.
325188A141	3723	Chlorate (Basis — 100% NaClO ₃)
325188A147	3729	Hydrosulfide (sodium sulfhydrate) (Basis — 100% NaSH)
325188A151	3730	Hydrosulfite
		Phosphate
325188A157	3733	Dibasic (produced for sale) (Basis — 100% Na ₂ HPO ₄)
325188A164	3735	Tetrabasic (pyro) (Basis — 100% Na ₄ P ₂ O ₇)
325188A167	3736	Meta (Basis — 100% NaPO ₃)
325188A171	3737	Acid Pyro (Basis — 100% Na ₂ H ₂ P ₂ O ₇)
325188A174	3738	Tripoly (Basis — 100% Na ₅ P ₃ O ₁₀)
325188A177	3739	Other sodium phosphates (including mono- and tribasic)
		Silicates
325188A181	3741	Soluble silicate glass (water glass, solid and liquid) (Basis-Anhydrous)
325188A184	3742	Metasilicate pentahydrate (Basis — 100% Na ₄ SiO ₃ ·5H ₂ O)
325188A187	3744	Metasilicate anhydrous (Basis — 100% Na ₂ SiO ₃)
		Sulfate
325188A1A1	3761	High purity (more than 99% Na ₂ SO ₄) (Basis — 100% Na ₂ SO ₄)
325188A1A7	3784	Sulfite (Basis — 100% Na ₂ SO ₃)
		Other inorganic chemicals, n.e.c.
		Calcium compounds
325188H141	3913	Carbonate (precipitated) (Basis — 100% CaCO ₃)
325188H144	3922	Chloride (Basis — 100% CaCl ₂)
		Phosphate
325188H147	3941	Monobasic (21% minimum P) (Basis — 100% CaH ₄ (PO ₄) ₂)
325188H151	3946	Dibasic (except fertilizer grades) (18.5% minimum P) (Basis — 100% CaHPO ₄)
		Tribasic (18.0% minimum P)
3253124241	3967	Animal feed grades (defluorinated phosphate rock) (Basis — 100% Ca ₃ (PO ₄) ₂)

CURRENT INDUSTRIAL REPORTS SERIES

REFERENCE LIST — Continued

FORM MQ325A		
Report all quantities on Short Ton Basis (2,000 lbs.), unless otherwise instructed		
Product code	Item code	Item description
INDUSTRIAL INORGANIC CHEMICALS, N.E.C. — Continued		
Carbon activated (exclude reactivated)		
325998H1E4	3989	Granular carbons (Basis — 100% Dry weight)
325998H1E7	3990	Pulverized carbons (Basis — 100% Dry weight)
325188H181	4006	Hydrogen peroxide (Basis — 100% by weight)
325188H184	4008	Iodine (Specify crude or resublimed) (Report in pounds) (Basis — 100% I)
Iron compounds		
325188H187	4010	Ferric chloride (Basis — 100% FeCl ₂)
325188H191	4011	Iron oxides and hydroxides (excluding iron oxide pigments) (Basis — 100% by weight)
325188H1A1	4036	Magnesium chloride (Basis — 100% MgCl ₂)
325188H1B1	4041	Manganese dioxide (Basis — 100% MnO ₂)
Phosphorus compounds		
325188H1F1	4061	Oxychloride (Basis — 100% POCl ₃)
325188H1F7	4063	Trichloride (chloride) (Basis — 100% PCl ₃)
325188H1G7	4101	Silicon tetrachloride (Basis — 100% SiCl ₄)
325188H1K1	4110	Sulfur dioxide (produced for sale) (Basis — 100% SO ₂)
325188H1M1	4120	Zinc sulfate (Basis — 100% ZnSO ₄ H ₂ O)
INORGANIC COLOR PIGMENTS		
3251311100	6111	Titanium dioxide (composite and pure) (Basis — Commodity weight)

DUE DATE: 15 Days After Receipt

OMB No. 0607-0395: Approval expires 08-31-10

REPORT FOR 2nd QUARTER 2008

The 8-digit number that appears above indicates that the Office of Management and Budget has approved this survey. If that number is not displayed, do not complete this form. **YOUR REPORT IS CONFIDENTIAL BY LAW** (Section 9 Title 13, United States Code). It is seen only by sworn Census Bureau employees and used only for statistical purposes. The law provides that copies retained in your files are immune from legal process. Although you are not required to respond, your cooperation is needed to make the results of this survey comprehensive, accurate, and timely.

U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS
FORM **MQ325A**
CURRENT INDUSTRIAL REPORTS
Quarterly Report on Shipments
and Production of
Inorganic Chemicals

**In correspondence pertaining to this establishment's report,
please refer to the 11 digit Identification Number (ID) 01234567880**



ID 01234567880 520 00 0802 19 MQ325A
40 2008Q2 MQ325A

SEQ: 1

ATTN: PERSON IN CHARGE
TEST FORM
123 ANYWHERE STREET
NULL
LA LA LAND DC 99999

If you have questions regarding this report form please contact:
JOANNA NGUYEN EXT 3
1(800)201-4647

EMPLOYER IDENTIFICATION (EI) NUMBER. Identification number used on Employer's Quarterly Federal Tax Return (U.S. Treasury Department Form 941) **(Enter if not shown, correct if wrong.)**

CONTACT PERSON (Enter information if not shown, correct if wrong.)
Name PERSON IN CHARGE
Area code 999 Number 999-9999
Fax number {999} 888-7777

(Please correct any error in name and address including ZIP Code)

Enter or correct email address: []

PART I FOR EACH ITEM LISTED BELOW, ENTER FIGURES OR "0" for current period. (The figures shown in the shaded areas were reported for the previous two periods.) PLEASE REFER TO THE INSTRUCTIONS BEFORE COMPLETING THIS REPORT FORM.

Item (Product code - Description)	Item code	Report period	Produced for all purposes	Total Shipments incl. transfers				
			Qty	Qty	Value-FOB {\$1000}			
3251811111-Chlorine gas {incl. quant. later liquefied}-100% basis-short tons	2111	2 QTR	1	2	3	4	5	6
		1 QTR						
		4 QTR						
3251811121-Chlorine liquid {also report as gas production} 100% basis-short tons	2115	2 QTR						
		1 QTR						
		4 QTR						
3251814111-Sodium hydroxide {caustic soda} all processes total liquid, 100% basis - short tons	2352	2 QTR						
		1 QTR						
		4 QTR						
3251817111-Potassium hydroxide, total liquid {including quan. converted to dry or solid}-88-92% basis-sh.tons	2421	2 QTR						
		1 QTR						
		4 QTR						

* Figures not received when form was prepared. PLEASE ENTER, if not previously submitted.

CURRENT INDUSTRIAL REPORTS - Continued

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PART I - Continued

Item (Product code - Description)	Item code	Report period	Produced for all purposes	Total Shipments incl. transfers				
			Qty	Qty	Value-FOB {\$1000}			
			1	2	3	4	5	6
3251817131-Finished sodium bicarbonate-100% basis - short tons	2430	2 QTR						
		1 QTR						
		4 QTR						
325188H1P4-Industrial bleaches, liquid and dry {see reference list} {Basis - 100% Cl equiv.}	3245	2 QTR						
		1 QTR						
		4 QTR						
3251884125-Hydrochloric acid, from chlorine-100% basis-short tons	3445	2 QTR						
		1 QTR						
		4 QTR						
3251884131-Hydrochloric acid, byproduct and other - 100% basis short tons	3447	2 QTR						
		1 QTR						
		4 QTR						
3251884141-Hydrocyanic acid {including anhydrous}-100% basis-short tons	3451	2 QTR						
		1 QTR						
		4 QTR						
3313110100-Aluminum oxide, except natural alumina - 100% basis - short tons	3511	2 QTR						
		1 QTR						
		4 QTR						
3251887121-Aluminum chloride, anhydrous - 100% basis - short tons	3617	2 QTR						
		1 QTR						
		4 QTR						
3251887131-Aluminum hydroxide, trihydrate - 100% basis - short tons	3625	2 QTR						
		1 QTR						
		4 QTR						
3251887151-Aluminum sulfate, commercial-17% aluminum oxide - 100% basis - short tons	3651	2 QTR						
		1 QTR						
		4 QTR						
3251887161-Aluminum sulfate, iron-free-17% aluminum oxide -100% basis - short tons	3655	2 QTR						
		1 QTR						
		4 QTR						

CURRENT INDUSTRIAL REPORTS - Continued

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PART I - Continued

Item (Product code - Description)	Item code	Report period	Produced for all purposes	Total Shipments incl. transfers				
			Qty	Qty	Value-FOB {\$1000}			
3251887171-Aluminates {sodium aluminate, potassium aluminate, etc.}-100% by weight, short tons	3673	2 QTR	1	2	3	4	5	6
		1 QTR						
		4 QTR						
325188A111-Potassium iodide - 100% basis-short tons	3703	2 QTR						
		1 QTR						
		4 QTR						
325188A117-Tetrapotassium pyrophosphate {potassium pyrophosphate} - 100% basis-short tons	3708	2 QTR						
		1 QTR						
		4 QTR						
325188A124-Potassium phosphates - 100% by weight-short tons	3712	2 QTR						
		1 QTR						
		4 QTR						
325188A141-Sodium chlorate - 100% basis-short tons	3723	2 QTR						
		1 QTR						
		4 QTR						
325188A147-Sodium hydrosulfide {sodium sulfhydrate} - 100% basis - short tons	3729	2 QTR						
		1 QTR						
		4 QTR						
325188A151-Sodium hydrosulfite- 100% basis - short tons	3730	2 QTR						
		1 QTR						
		4 QTR						
325188A157-Sodium phosphate, dibasic - 100% basis - short tons	3733	2 QTR						
		1 QTR						
		4 QTR						
325188A164-Sodium phosphate, tetrabasic{pyro}-100% basis-short tons	3735	2 QTR						
		1 QTR						
		4 QTR						
325188A167-Sodium phosphate, meta-100% basis-short tons	3736	2 QTR						
		1 QTR						
		4 QTR						

CURRENT INDUSTRIAL REPORTS - Continued

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PART I - Continued

Item (Product code - Description)	Item code	Report period	Produced for all purposes	Total Shipments incl. transfers		4	5	6
			Qty	Qty	Value-FOB {\$1000}			
325188A171-Sodium phosphate, acid pyro - 100% basis - short tons	3737	2 QTR	1	2	3	4	5	6
		1 QTR						
		4 QTR						
325188A174-Sodium phosphate, tripoly - 100% basis - short tons	3738	2 QTR						
		1 QTR						
		4 QTR						
325188A177-Other sodium phosphates {incl. mono- and tribasic} Report shipments value only	3739	2 QTR	XXXXX	XXXXX				
		1 QTR	XXXXX	XXXXX				
		4 QTR	XXXXX	XXXXX				
325188A181-Soluble silicate glass{water glass},solid and liquid-anhydrous-short tons	3741	2 QTR						
		1 QTR						
		4 QTR						
325188A184-Sodium meta-silicate pentahydrate - 100% basis - short tons	3742	2 QTR						
		1 QTR						
		4 QTR						
325188A187-Sodium meta-silicate anhydrous - 100% basis - short tons	3744	2 QTR						
		1 QTR						
		4 QTR						
325188A1A1-Sodium sulfate, high purity {more than 99% sodium sulfate} - 100% basis - short tons	3761	2 QTR						
		1 QTR						
		4 QTR						
325188A1A7-Sodium sulfite - 100% basis - short tons	3784	2 QTR						
		1 QTR						
		4 QTR						
325188H141-Calcium carbonate {precipitated}-100% basis-short tons	3913	2 QTR						
		1 QTR						
		4 QTR						
325188H144-Calcium chloride, solid, flake, and liquid, 100% basis - short tons	3922	2 QTR						
		1 QTR						
		4 QTR						

CURRENT INDUSTRIAL REPORTS - Continued

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PART I - Continued

Item (Product code - Description)	Item code	Report period	Produced for all purposes	Total Shipments incl. transfers				
			Qty	Qty	Value-FOB {\$1000}			
325188H147-Calcium phosphate, monobasic {21% min.p}- 100% basis - short tons	3941	2 QTR	1	2	3	4	5	6
		1 QTR						
		4 QTR						
325188H151-Calcium phosphate, dibasic {except fertilizer grades} {18.5% min.P}- 100% basis - short tons	3946	2 QTR						
		1 QTR						
		4 QTR						
3253124241-Calcium phosphate, tribasic-animal feed grades {defluor.phos.rock} {18% min. P} 100% basis - sh tons	3967	2 QTR						
		1 QTR						
		4 QTR						
325998H1E4-Activated granular carbons {excl. reactivated}- dry weight - short tons	3989	2 QTR						
		1 QTR						
		4 QTR						
325998H1E7-Activated pulverized carbons {exclude reactivated} dry weight - short tons	3990	2 QTR						
		1 QTR						
		4 QTR						
325188H181-Hydrogen peroxide- 100% by weight - short tons	4006	2 QTR						
		1 QTR						
		4 QTR						
325188H184-Iodine {specify crude or resublimed} - 100% basis - report in pounds	4008	2 QTR						
		1 QTR						
		4 QTR						
325188H187-Ferric chloride - 100% basis - short tons	4010	2 QTR						
		1 QTR						
		4 QTR						
325188H191-Iron oxides and hydroxides {exclude iron oxide pigments} - 100% by weight - short tons	4011	2 QTR						
		1 QTR						
		4 QTR						
325188H1A1-Magnesium chloride compounds - 100% basis - short tons	4036	2 QTR						
		1 QTR						
		4 QTR						

CURRENT INDUSTRIAL REPORTS - Continued

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PART I - Continued

Item (Product code - Description)	Item code	Report period	Produced for all purposes	Total Shipments incl. transfers				
			Qty	Qty	Value-FOB {\$1000}			
325188H1B1-Manganese dioxide compounds - 100% basis - short tons	4041	2 QTR	1	2	3	4	5	6
		1 QTR						
		4 QTR						
325188H1F1-Phosphorus oxychloride 100% basis - short tons	4061	2 QTR						
		1 QTR						
		4 QTR						
325188H1F7-Phosphorus trichloride {chloride} - 100% basis - short tons	4063	2 QTR						
		1 QTR						
		4 QTR						
325188H1G7-Silicon tetrachloride - 100 basis - short tons	4101	2 QTR						
		1 QTR						
		4 QTR						
325188H1K1-Sulfur dioxide {produced for sale} - 100% basis - short tons	4110	2 QTR						
		1 QTR						
		4 QTR						
325188H1M1-Zinc sulfate-100% basis - short tons	4120	2 QTR						
		1 QTR						
		4 QTR						
3251311100-Titanium dioxide {composite and pure} - commodity weight - short tons	6111	2 QTR						
		1 QTR						
		4 QTR						

PART I - Continued

Item (Product code - Description)	Item code	Report period							
			1	2	3	4	5	6	

If all your items are not listed, please use additional lines or a blank sheet of paper.

PART II Has there been any change in the ownership or operation of this establishment during this period?

Yes - Indicate type of change below. No - Skip to Part III.

	Name of company	Address (Number and street, city, State, ZIP Code)	Date of change
A. <input type="checkbox"/> Purchased from			
B. <input type="checkbox"/> Sold to			
C. <input type="checkbox"/> Plant discontinued all operations	Date		
D. <input type="checkbox"/> Plant operations no longer covered by this survey - Describe in "Remarks" the products currently produced.			
E. <input type="checkbox"/> Reorganized - Describe in "Remarks;" e.g., partnership change or change in corporate status.			

PART III Do the figures shown on this report and on your last report cover the identical establishments?

Yes No - Indicate reasons for difference in "Remarks."

PART IV Remarks

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

Signature of authorized official	Title	Date
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Complete and return this form in the envelope provided or to:

**Bureau of the Census
1201 East Tenth Street
Jeffersonville, IN 47132**

NOTE: Please make a photocopy of this for your records.