



## Industrial Minerals Prices September 2011

September 2011

Bold indicates price change from previous month (it may have changed more than once during the month). All prices are in US\$ and quoted per tonne unless indicated. It is not possible to publish prices for all industrial minerals and grades in the space available, these pages comprise a selection of frequently traded minerals. For a wider range and more detail on mineral prices, we refer you to **Price Listing** on [www.indmin.com](http://www.indmin.com).

### Alumina

Calcined 98.5-99.5% Al<sub>2</sub>O<sub>3</sub>  
bulk FOB US refinery \$600-700  
Calcined, ground 98.5-99.5% Al<sub>2</sub>O<sub>3</sub>,  
bulk FOB US refinery \$700-800

### Alumina, fused

Brown 95% min. Al<sub>2</sub>O<sub>3</sub>,  
FEPA F8-220 Grit, FOB China **\$700-800**  
Brown 95.5% Al<sub>2</sub>O<sub>3</sub>, refractory  
lump & sized, FOB China **\$600-735**  
White, 25kg bags,  
CIF Europe €1150-1280

### Andalusite

57-58% Al<sub>2</sub>O<sub>3</sub>, 2,000 tonne  
bulk, FCA Mine-RSA €230-265  
55-59% Al<sub>2</sub>O<sub>3</sub>,  
FOB European port €345-400

### Antimony Trioxide

Typically 99.5% SbO<sub>3</sub>, 5 tonne lots,  
CIF Antwerp/Rotterdam **\$13,300-13,400**  
Typically 99.5% SbO<sub>3</sub>, 20 tonne  
lots FOB China **\$13,100-13,200**

### Barytes

#### Drilling grade

*Unground lump*  
OCMA/API bulk, SG 4.20  
FOB Chennai **\$120-125**  
FOB Morocco **\$91-96**  
FOB China **\$93-96**  
C&F North Sea (Moroccan) **\$108-113**  
API, CIF Gulf Coast,  
Chinese **\$123-128**  
Indian \$120-125

#### Ground

OCMA bulk, del. Aberdeen £95-105  
OCMA bulk, del. Gt Yarmouth £110-120  
OCMA/API, big bags (1.5t),  
FOB S. Turkey \$130-135  
SG 4.22, bagged, FOB Morocco \$135-147

#### Paint grade

Ground white 96-98% BaSO<sub>4</sub>,  
350 mesh, 1-5 lots, del. UK £195-220

Chinese lump, CIF Gulf Coast \$230-240

#### **Chemical grade**

Chinese, CIF Gulf Coast \$138-145

#### **Bauxite**

##### **Refractory grade**

Chinese Al<sub>2</sub>O<sub>3</sub>/Fe<sub>2</sub>O<sub>3</sub>/BD, lumps 0-25mm

Shanxi, FOB Xingang

Round kiln 87/2.0/3.2 \$510-535

Round kiln 86/2.0/3.15-3.20 \$500-525

Round kiln 85/2.0/3.15 \$405-425

Rotary kiln 87/1.8/3.20+ \$495-535

Rotary kiln 87/1.8/3.20 \$480-525

Rotary kiln 86/1.8/3.2 \$480-500

Rotary kiln 86/1.8/3.15 \$475-525

Rotary kiln 85/1.8/3.15 \$405-425

Guizhou, FOB Zhanjiang/Fangcheng

Round kiln 87/2.0/3.2 \$470-525

Guyana RASC bauxite, bulk,

FOB Linden \$460-510

##### **Abrasive grade**

Chinese

FOB Zhanjiang, China \$320-350

##### **Welding grade**

FOB Zhanjiang, China \$470-480

FOB Linden, Guyana \$450-510

#### **Bentonite**

Cat litter, grade 1-5mm, bulk,

FOB main European port €42-60

Indian, cat litter grade, crushed,

dried, loose in bulk, FOB Kandla \$34-38

OCMA/Foundry grades,

crude & dried, bulk, FOB Milos €50-75

API grade, bagged rail-car,

ex-works Wyoming, per s.ton \$70-100

Foundry grade, bagged, railcars,

ex-works Wyoming, per s.ton \$90-115

IOP grade, crude, bulk, ex-works

Wyoming, per s.ton \$55-60

#### **Borates/Boron minerals**

Boric Acid, Latin American,

FOB Chile **\$1330-1390**

Colemanite, Latin American,

40% B<sub>2</sub>O<sub>3</sub>, FOB Buenos Aires \$690-730

Decahydrate Borax, Latin American,

FOB Buenos Aires **\$885-930**

Ulexite, Latin American,

40% B<sub>2</sub>O<sub>3</sub>, FOB Buenos Aires **\$640-670**

Ulexite, Latin American,

40% B<sub>2</sub>O<sub>3</sub>, FOB Lima **\$660-695**

Ulexite, Latin American,

granular 40% B<sub>2</sub>O<sub>3</sub>, FOB Chile **\$655-690**

#### **Calcium carbonate**

GCC, coated, fine grade, ex-works UK £80-103

PCC, coated, ex-works, UK £370-550

PCC, uncoated, ex-works, UK £340-550

**Celestite**

Turkish, 96%, SrSO<sub>4</sub>,  
FOB Iskenderun \$90-100

**Chromite**

Chemical grade, 46% Cr<sub>2</sub>O<sub>3</sub>,  
wet bulk , FOB South Africa \$360-450  
Refractory grade, 46% Cr<sub>2</sub>O<sub>3</sub>,  
wet bulk , FOB South Africa **\$425-500**  
Foundry grade, 46% Cr<sub>2</sub>O<sub>3</sub>, wet bulk,  
FOB South Africa **\$425-500**  
South African, Northwest,  
Metallurgical grade, friable lumpy,  
40% Cr<sub>2</sub>O<sub>3</sub> \$210-280  
Sand, moulding grade, 98%  
<30 mesh, del UK £390-450

**Diatomite**

US, calcined filter-aid grade,  
FOB plant \$575-640  
US, flux-calcined filter-aid grade,  
FOB plant \$580-825

**Feldspar**

Turkish, Na feldspar, Crude,  
-10mm size bulk, FOB Gulluk \$22-23  
Turkish, Na feldspar, Glass grade,  
-500 microns, bagged, FOB Gulluk \$70

**Fluorspar****Acidspar filtercake, bulk**

Mexican, <5ppm As  
FOB Tampico \$500-550  
Mexican, FOB Tampico \$400-450  
Chinese wet filtercake,  
CIF Rotterdam \$550-650  
Chinese, wet filtercake,  
FOB China \$500-600  
South African, dry basis,  
FOB Durban \$330-335  
Chinese dry basis,  
CIF US Gulf Port \$550-650

**Metallurgical**

Chinese, min 85% CaF<sub>2</sub>, CIF Rotterdam \$280-310  
Mexican, FOB Tampico \$230-270  
Chinese, min 80%,  
wet bulk, FOB China **\$312-332**  
Chinese, min 85% CaF<sub>2</sub>,  
bulk, FOB China **\$339-359**

**Graphite**

Amorphous powder 80-85%  
Chinese del Europe \$600-800

**Crystalline**

FCL CIF main European port,

Medium, 85-87%C, +100-80 mesh \$1500-1900  
Fine, 90%C, -100 mesh \$1400-1800  
Medium flake 90% C, +100-80 mesh **\$1500-2000**  
Large flake, 90% C, +80 mesh **\$2000-2500**  
Fine, 94-97%C, -100 mesh \$2000-2400  
Medium, 94-97%C, +100-80 mesh \$2200-2500  
Large flake 94-97% C, +80 mesh CIF \$2500-3000  
Synthetic 99.95% C, \$ per Kg.  
Swiss border \$7-20

### **Ilmenite**

Australian, bulk concentrates.  
min 54% TiO<sub>2</sub>, FOB **\$140-250**  
Australian, spot price,  
min 54% TiO<sub>2</sub>, FOB **\$140-250**

### **Iodine**

Iodine, crystal, min 99.5%, drums,  
per kilo, spot & contract \$80-95

### **Kaolin**

No 1 paper coating grade,  
Ex-Georgia plant, s.ton \$150-195  
No 2 paper coating grade,  
Ex-Georgia plant, s.ton \$100-155

### **Kyanite**

Ex-works USA, 54-60% Al<sub>2</sub>O<sub>3</sub>,  
raw kyanite, s.ton \$224-320  
54-60% Al<sub>2</sub>O<sub>3</sub>, 22 ton lots,  
calcined \$373-439

### **Lithium**

Lithium carbonate, del continental,  
USA large contracts, \$ per lb \$2.3-2.4  
Petalite, 4.2% LiO<sub>2</sub>, FOB Durban, \$165-260  
Spodumene concentrate, >7.25% LiO<sub>2</sub>,  
FOB West Virginia, s.ton \$720-770  
Spodumene, glass grade, 5% LiO<sub>2</sub>,  
FOB West Virginia, s.ton \$460-510

### **Magnesia**

Calcined, 90-92% MgO, lump,  
FOB China \$370-480  
European calcined, agricultural grade,  
CIF Europe €220-330

### **Dead-burned,**

Lump, FOB China  
90% MgO \$400-450  
92% MgO \$430-470  
94-95% MgO \$460-520  
97.5% MgO \$530-560

### **Fused,**

Lump, FOB China  
96% MgO \$790-860  
97% MgO \$930-1050  
98% MgO \$1080-1210

**Magnesite**

Greek, raw, max 3.5% SiO<sub>2</sub>,  
FOB East Mediterranean €65-75

**Mica**

Indian mine scrap green  
(Andhra Pradesh) for mica paper,  
FOB Madras \$300-400  
Indian wet-ground, CIF Europe \$600-900  
Micronised, FOB plant, USA \$700-1000  
Wet-ground, FOB plant, USA \$700-1300  
Flake, FOB plant, USA \$350-500

**Perlite**

Coarse (filter aid)  
FOB east Mediterranean, bulk €65-70  
Raw, crushed, grade, big bags  
FOB Turkey \$95-100  
Raw, crushed, grade, bulk  
FOB Turkey \$80-85

**Potash**

C&F Western Europe, contract,  
Standard \$400-490  
Muriate, KCl, granular, bulk,  
ex-works, North America \$515-535  
Muriate, KCl, standard,  
bulk, FOB Vancouver \$460-550  
Muriate, KCl, standard, bulk, FOB  
Baltic \$/tonne \$350-370

**Rare earth minerals**

Large purchases, FOB China, \$ per Kg,  
Cerium oxide, 99%, \$140-159  
Europium oxide, 99% \$5400-5880  
Lanthanum oxide, 99% **\$153-173**  
Neodymium oxide, 99% **\$320-400**  
Praesodymium oxide, 99% **\$235-250**

**Refractory clays/Mullite**

Clay, Mulcoa 47% (sized in bulk bags),  
for coarse sizing, FOB USA, s.ton \$198

**Rutile**

Australian concentrate,  
min. 95% TiO<sub>2</sub>, bagged, FOB **\$1348-1600**  
Australian concentrate,  
min. 95% TiO<sub>2</sub>, large vol.  
for pigment, FOB \$1000-1120

**Salt**

Australian solar salt bulk CIF Shanghai, \$50  
Industrial solar salt, ex-works China \$27-29  
Industrial vacuum salt,

ex-works China \$35-40

#### **Silica sand**

Minus 20 micron, FCL, bagged  
>92 brightness, FOB Durban \$295  
Glass sand, container,  
ex-works USA \$20-26

#### **Silicon carbide**

SiC, FEPA 8-220, CIF UK, black,  
about 99% SiC  
SiC Grade 1 €1900-2100  
SiC Grade 2 €1500-1650  
Refractory grade,  
min 98% SiC €1500-1800  
min 95% SiC €1350-1450

#### **Soda ash**

Chinese synthetic soda ash,  
dense & light, CIF Far East \$295-330  
Chinese synthetic soda ash,  
dense & light, FOB China **\$300-315**  
Indian synthetic soda ash,  
dense & light, Domestic  
ex-works India \$300-348  
Indian synthetic soda ash, dense  
& light, Export C&F India \$210-230  
US natural, large contract,  
FOB Wyoming \$210-230

#### **TiO<sub>2</sub> pigment**

Bulk volume, per tonne  
CFR Asia \$3300-3800  
CIF Northern Europe €2975-3115  
CIF USA \$2866-3175  
CIF Latin America, per lb \$1.15-1.30

#### **Vermiculite**

South African, bulk, FOB  
Antwerp \$400-850

#### **Wollastonite**

US ex-works, s.ton Acicular minus  
200 mesh \$210-240  
325 mesh \$220-250  
Acicular (15:-1-20:1 aspect ratio) \$444  
Chinese, FOB, tonne Acicular minus  
200 mesh \$80-90  
325 mesh \$90-100

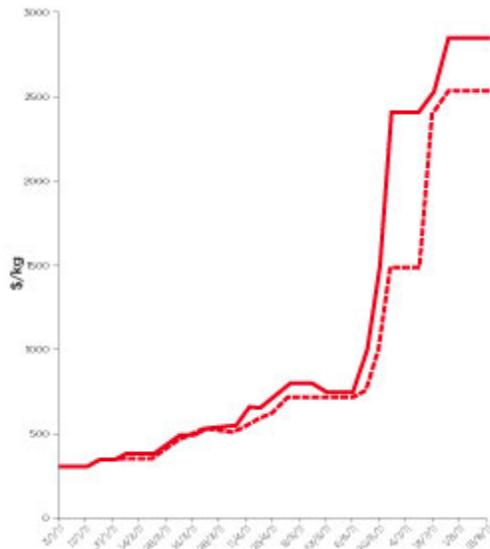
#### **Zircon**

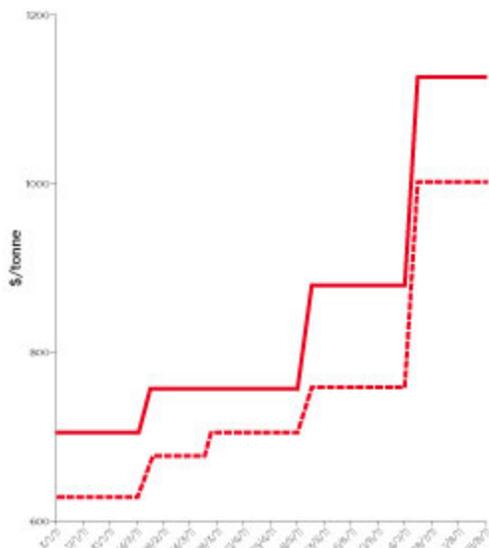
FOB Australia, bulk shipments  
Premium \$2560-2640  
Standard \$2200-2400  
FOB USA, bulk shipments  
Premium \$2600-2800  
Standard \$2495-2550



“The Indian biennial tender just took place and ex-mine prices increased by about 75%,” a source told **IM**. “The drilling market is extremely buoyant and buyers are almost bidding for material. [And the] weather has affected availability in the last twelve months in China, India and even Morocco.”

#### Dysprosium oxide, 99%, large purchases, FOB China, \$/kg





Prices for titanium dioxide feedstock mineral rutile stepped up again in August as demand outstripped supply. Currently the entire TiO<sub>2</sub> supply route is under pressure, with pigment producers Cristal Global, DuPont and Kronos all announcing significant TiO<sub>2</sub> price pushes effective throughout August and September. Whether increases will be accepted by paint producers and other consumers remains to be seen.

IM takes price ideas and comments from many sources, which are used in strict confidence to ascertain pricing levels. If you would like to contribute and enhance our pricing coverage and comment, please contact Angela Hillyard at [ahillyard@indmin.com](mailto:ahillyard@indmin.com), or Siobhan Lismore at [slismore@indmin.com](mailto:slismore@indmin.com)

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