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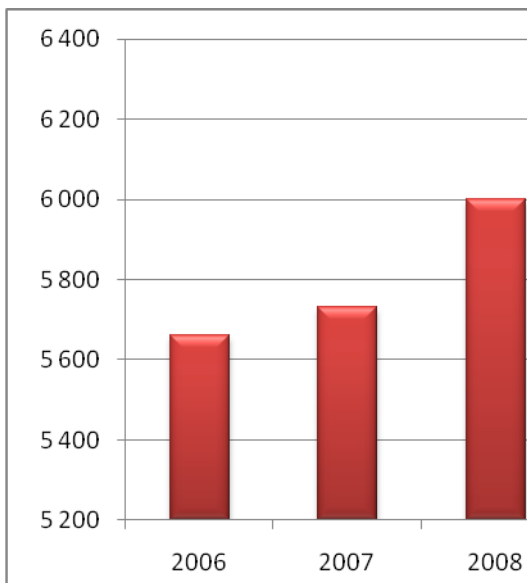
1.2. Fluorspar Market Overview

In 2011 primary fluorspar production estimated 000 thousand metric tons, a 00% increase from that of 2010.

Table 1. World mine production of Fluorspar, 2006-2011 (thousand metric tons)

| 2006 | 2007 | 2008 | 2009 | 2010 | 2011 |
|------|------|------|------|------|------|
| | | | | | |

Figure 1. World mine production of Fluorspar, 2006-2011 (thousand metric tons)



The leading producer of fluorspar is China with about 00% of world total.

Table 2. Fluorspar: world mine production, by country, 2010-2011 (thousand metric tons)

| Country | 2010 | 2011 |
|------------|------|------|
| Brazil | | |
| China | | |
| Kazakhstan | | |
| Kenya | | |
| Mexico | | |
| Mongolia | | |
| Morocco | | |



| | | |
|------------------------------|--|--|
| Namibia | | |
| Russia | | |
| South Africa | | |
| Spain | | |
| Other countries | | |
| World total (rounded) | | |

Figure 2. Fluorspar: world mine production structure, by country, 2011



LATIN AMERICAN MARKET OF FLUORSPAR

3.1. Brazil

In Brazil both production and consumption rose in 2011 by 00 and 00% respectively.

Table 3. Fluorspar production and consumption in Brazil, 2006-2011 (metric tons)

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 |
|-------------|------|------|------|------|------|------|
| Production | | | | | | |
| Consumption | | | | | | |

Figure 3. Fluorspar supply and demand trends in Brazil, 2006-2011 (metric tons)

Fluorspar producers in Brazil:

- Cia Nitro Quimica Brasileira (CNQB)
-

Foreign Trade

Table 4. Export and import of Fluorspar, <97% calcium fluoride in Brazil, 2006-2011

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 |
|------------------------|------|------|------|------|------|------|
| Export, thousand \$ | | | | | | |
| Export, tons | | | | | | |
| Import, thousand \$ | | | | | | |
| Import, tons | | | | | | |
| Trade balance, tons | | | | | | |



Figure 4. Export and import dynamics of Fluorspar, <97% calcium fluoride in Brazil in 2006-2011, tons

Figure 5. Trade balance of Fluorspar, <97% calcium fluoride in Brazil in 2006-2011, tons

Table 5. Structure of Fluorspar, <97% calcium fluoride export by Brazil in 2010-2011

| Period / Brazil - Partner | Trade value, \$ | Net weight, kg | Average price, \$/kg | Country share,% |
|---|------------------------|-----------------------|---------------------------------|------------------------|
| 2010 total including: Chile Peru | | | | |
| 2011 total including: USA | | | | |

Table 6. Structure of Fluorspar, <97% calcium fluoride import by Brazil in 2010-2011

| Period / Brazil - Partner | Trade value, \$ | Net weight, kg | Average price, \$/kg | Country share,% |
|--|------------------------|-----------------------|---------------------------------|------------------------|
| 2010 total including: Mexico Argentina South Africa India | | | | |
| 2011 total including: Mexico Argentina | | | | |



| | | | | |
|--------------|--|--|--|--|
| Chile | | | | |
| Panama | | | | |
| South Africa | | | | |
| Italy | | | | |

Table 7. Export and import of Fluorspar, >97% calcium fluoride in Brazil, 2006-2011

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 |
|---------------------|------|------|------|------|------|------|
| Export, thousand \$ | | | | | | |
| Export, tons | | | | | | |
| Import, thousand \$ | | | | | | |
| Import, tons | | | | | | |
| Trade balance, tons | | | | | | |

Figure 6. Export and import dynamics of Fluorspar in Brazil in 2006-2011, tons

Figure 7. Trade balance of Fluorspar, >97% calcium fluoride in Brazil in 2006-2011, tons

Table 8. Structure of Fluorspar, >97% calcium fluoride export by Brazil in 2010-2011

| Period / Brazil - Partner | Trade value, \$ | Net weight, kg | Average price, \$/kg | Country share,% |
|---|-----------------|----------------|----------------------|-----------------|
| 2010 total including: Spain Mexico | | | | |
| 2011 total including: Spain | | | | |



| | | | | |
|--------|--|--|--|--|
| Mexico | | | | |
|--------|--|--|--|--|

Table 9. Structure of Fluorspar, >97% calcium fluoride import by Mexico in 2010-2011

| Period / Brazil - Partner | Trade value, \$ | Net weight, kg | Average price, \$/kg | Country share,% |
|---|------------------------|-----------------------|---------------------------------|------------------------|
| 2010 total including: Mexico Germany USA China Czech Rep. | | | | |
| 2011 total including: Mexico Germany India China | | | | |