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1.2. Magnesium Market Overview

In 2011 primary magnesium production estimated 000 thousand metric tons, a 2.2% increase from that of 2010.

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

2006	2007	2008	2009	2010	2011

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

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

Country	2010	2011
Brazil		
China		
Israel		
Kazakhstan		
Russia		
Serbia		
Ukraine		
United States		
World total (rounded)		

The leading producer of magnesium is China with over 80% of world total.

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

Table 3. World primary magnesium production capacity, by country, 2010 (metric tons)



4.1.1. Russia

The raw material for production of magnesium in Russia is enriched carnallite, obtained as a by-product during the processing of potassium and magnesium salts ("Uralkali", "Silvinit", the Perm region). It should be noted that the part of magnesium produced by the titanium-magnesium plants is used internally by the enterprises themselves for the production of titanium, thus the share of commercial magnesium depends on the production of titanium sponge.

In 2011 both production and consumption did not show any changes. Magnesium production capacity totaled 000 metric tons per year.

Table 4. Magnesium production and consumption in Russia, 2006-2011 (metric tons)

	2006	2007	2008	2009	2010	2011
Production						
Consumption						

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

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...



Foreign Trade

Table 5. Export and import of magnesium in Russia, 2005-2010

	2005	2006	2007	2008	2009	2010
Export, thousand \$						
Export, tons						
Import, thousand \$						
Import, tons						
Trade balance, tons						

Figure 4. Export and import dynamics of magnesium in Russia in 2005-2010, tons

Figure 5. Trade balance of magnesium in Russia in 2005-2010, tons

Table 6. Structure of magnesium export by Russia in 2009-2010

Period / Russia - Partner	Trade value, \$	Net weight, kg	Average price, \$/kg	Country share, %
2009				
total				
including:				
Netherlands				
Ukraine				
Brazil				
Germany				
Japan				
Kazakhstan				
Austria				
United Kingdom				
Romania				
China				



2010 total including: Netherlands Brazil Ukraine India Germany France Japan Kazakhstan Austria China				
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Table 7. Structure of magnesium import by Russia in 2009-2010

Period / Russia - Partner	Trade value, \$	Net weight, kg	Average price, \$/kg	Country share, %
2009 total including: China Japan Austria Germany Denmark Italy Kazakhstan Ukraine USA Uzbekistan				
2010 total including: China ...				