



Content

DISCLAIMER	7
RESEARCH METHODOLOGY	8
1. WORLD BROMINE MARKET	9
1.1. Bromine in Global Industry	9
1.2. Bromine Market Overview	12
1.3. Bromine Prices	14
2. NORTH AMERICAN MARKET OF BROMINE	17
2.1. USA	17
3. EUROPEAN MARKET OF BROMINE	22
3.1. European Union Market of Bromine	22
3.1.1. Germany	22
3.2. CIS Market of Bromine	26
3.2.1. Azerbaijan	26
3.2.2. Ukraine	29
4. ASIAN MARKET OF BROMINE	32
4.1. China	32
4.2. India	36
4.3. Japan	40
5. MIDDLE EAST MARKET OF BROMINE	43
4.3. Israel	43
5.2. Jordan	47
6. FUTURE OUTLOOK (2012-2016)	50



List of tables

Table 1.	World Bromine Reserves, 2011, thousand metric tons.	11
Table 2.	Bromine: world mine production, 2006-2011, thousand metric tons	12
Table 3.	Bromine: world mine production, by country, 2010-2011, metric tons	12
Table 4.	Bromine price, bulk elemental, USA domestic market, 2006-2011, \$/t	14
Table 5.	Bromine production and consumption in USA, 2006-2011, metric tons	17
Table 6.	Export and import of Bromine in USA, 2006-2011	19
Table 7.	Structure of Bromine export by country in USA in 2010-2011	20
Table 8.	Structure of Bromine import by country in USA in 2010-2011	21
Table 9.	Bromine production and consumption in Germany, 2006-2011, metric tons	22
Table 10.	Export and import of Bromine in Germany, 2005-2010	23
Table 11.	Structure of Bromine export by country in Germany in 2009-2010	24
Table 12.	Structure of Bromine import by country in Germany in 2009-2010	24
Table 13.	Bromine production and consumption in Azerbaijan, 2006-2011, metric tons	26
Table 14.	Export and import of Bromine in Azerbaijan, 2006-2011	27
Table 15.	Structure of Bromine import by country in Azerbaijan in 2010-2011	27
Table 16.	Bromine production and consumption in Ukraine, 2006-2011, metric tons	29
Table 17.	Export and import of Bromine in Ukraine, 2005-2010	30
Table 18.	Structure of Bromine export by country in Ukraine in 2009-2010	30
Table 19.	Structure of Bromine import by country in Ukraine in 2009-2010	31
Table 20.	Bromine production and consumption in China, 2006-2011, metric tons	32
Table 21.	Export and import of Bromine in China, 2005-2010	33
Table 22.	Structure of Bromine export by country in China in 2009-2010	34
Table 23.	Structure of Bromine import by country in China in 2009-2010	34
Table 24.	Bromine production and consumption in India, 2006-2011, metric tons	36
Table 25.	Export and import of Bromine in India, 2005-2010	37
Table 26.	Structure of Bromine export by country in India in 2009-2010	38
Table 27.	Structure of Bromine import by country in India in 2009-2010	39
Table 28.	Bromine production and consumption in Japan, 2006-2011, metric tons	40
Table 29.	Export and import of Bromine in Japan, 2006-2011	41
Table 30.	Structure of Bromine export by country in Japan in 2010-2011	41
Table 31.	Structure of Bromine import by country in Japan in 2010-2011	42
Table 32.	Bromine production and consumption in Israel, 2006-2011, metric tons.	43
Table 33.	Export and import of Bromine in Israel, 2005-2010	44
Table 34.	Structure of Bromine export by country in Israel in 2009-2010	44
Table 35.	Structure of Bromine import by country in Israel in 2009-2010	45
Table 36.	Bromine production and consumption in Jordan, 2006-2011, metric tons.	47
Table 37.	Export and import of Bromine in Jordan, 2006-2011	48



Table 38. Structure of Bromine export by country in Jordan in 2010-2011	48
Table 39. Structure of Bromine import by country in Jordan in 2010-2011	49
Table 40. Bromine market forecasts (2012-2016)	50



List of figures

Figure 1.	World structure of bromine reserves, 2011	11
Figure 2.	Bromine mine production volumes, 2006-2011, thousand metric tons	12
Figure 3.	Structure of bromine production, by country, 2011	13
Figure 4.	Bromine prices, large contract, bulk, European, 2010-2012, \$/t	14
Figure 5.	Bromine, purified, bulk, 99.95% Br, tonne lot, ex-works USA, \$/lb	14
Figure 6.	Bromine, bulk, purified, 99.95% Br, ex works, CIF Europe, \$/lb	15
Pricing News		15
Figure 7.	Bromine production and consumption trends in USA, 2006-2011, metric tons	17
Figure 8.	Export and import dynamics of Bromine in USA in 2006-2011, tons	19
Figure 9.	Trade balance of Bromine in USA in 2006-2011, tons	20
Figure 10.	Bromine production and consumption trends in Germany, 2006-2011, metric tons	22
Figure 11.	Export and import dynamics of Bromine in Germany in 2005-2010, tons	23
Figure 12.	Trade balance of Bromine in Germany in 2005-2010, tons	23
Figure 13.	Bromine production and consumption trends in Azerbaijan, 2006-2011, metric tons	26
Figure 14.	Import dynamics of Bromine in Azerbaijan in 2006-2011, tons	27
Figure 15.	Trade balance of Bromine in Azerbaijan in 2006-2011, tons	27
Figure 16.	Bromine production and consumption trends in Ukraine, 2006-2011, metric tons	29
Figure 17.	Export and import dynamics of Bromine in Ukraine in 2005-2010, tons	30
Figure 18.	Trade balance of Bromine in Ukraine in 2005-2010, tons	30
Figure 19.	Bromine production and consumption trends in China, 2006-2011, metric tons	32
Figure 20.	Export and import dynamics of Bromine in China in 2005-2010, tons	33
Figure 21.	Trade balance of Bromine in China in 2005-2010, tons	33
Figure 22.	Bromine production and consumption trends in India, 2006-2011, metric tons	36
Figure 23.	Export and import dynamics of Bromine in India in 2005-2010, tons	37
Figure 24.	Trade balance of Bromine in India in 2005-2010, tons	38
Figure 25.	Bromine production and consumption trends in Japan, 2006-2011, metric tons	40
Figure 26.	Export and import dynamics of Bromine in Japan in 2006-2011, tons	41
Figure 27.	Trade balance of Bromine in Japan in 2006-2011, tons	41
Figure 28.	Bromine production and consumption trends in Israel, 2006-2011, metric tons	43
Figure 29.	Export and import dynamics of Bromine in Israel in 2005-2010, tons	44
Figure 30.	Trade balance of Bromine in Israel in 2005-2010, tons	44
Figure 31.	Bromine production and consumption trends in Jordan, 2006-2011, metric tons	47
Figure 32.	Export and import dynamics of Bromine in Jordan in 2006-2011, tons	48
Figure 33.	Trade balance of Bromine in Jordan in 2006-2011, tons	48



Figure 34. Bromine market growth trend till 2016, thousand metric tons	50
Figure 35. Bromine price growth trend till 2016, \$/t	51



1.2. Bromine Market Overview

World production of bromine was approximately 000 thousand metric tons in 2011, 1.6% increase from 000 thousand t in 2010.

Table 1. Bromine: world mine production, 2006-2011, thousand metric tons

2006	2007	2008	2009	2010	2011

Figure 1. Bromine mine production volumes, 2006-2011, thousand metric tons

Table 2. Bromine: world mine production, by country, 2010-2011, metric tons

Country	2010	2011
Azerbaijan		
China		
Germany		
India		
Israel		
Japan		
Jordan		
Spain		
Turkmenistan		
Ukraine		
USA		
World Total		

The three major bromine producing areas are the United States, the Dead Sea (Israel and Jordan) and China, which account for roughly 95% of the world's total bromine production.

The United States part in the world's bromine production has decreased as other countries ...

Figure 2. Structure of bromine production, by country, 2011

4.3. Japan

Table 3. Bromine production and consumption in Japan, 2006-2011, metric tons

	2006	2007	2008	2009	2010	2011
Production						
Consumption						

Figure 3. Bromine production and consumption trends in Japan, 2006-2011, metric tons

Bromine producers in Japan:

Toyo Soda Manufacturing Co., Ltd.

Shinnanyo, JP

Tel 03-5427-5460

E-mail: mail@tosoh-finechem.co.jp

Web: <http://www.tosoh-finechem.com>

...

Foreign Trade

Table 4. Export and import of Bromine in Japan, 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 Bromine in Japan in 2006-2011, tons

Figure 5. Trade balance of Bromine in Japan in 2006-2011, tons



Table 5. Structure of Bromine export by country in Japan in 2010-2011

Period / Japan - Partner	Trade value, \$	Net weight, kg	Average price, \$/kg	Country share.%
2010 total including: Other Asia, nes Singapore Viet Nam Rep. of Korea				
2011 total including: Other Asia, nes Singapore Rep. of Korea China				

Table 6. Structure of Bromine import by country in Japan in 2010-2011

Period / Japan - Partner	Trade value, \$	Net weight, kg	Average price, \$/kg	Country share.%
2010 total including: Israel USA				
2011 total including: Israel Rep. of Korea USA				