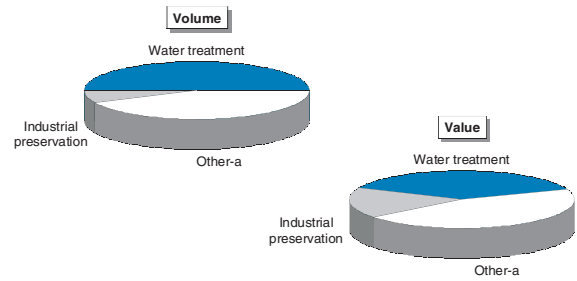


Specialty Biocides 2008: U.S. Market Analysis and Opportunities

Fact Sheet

The Market

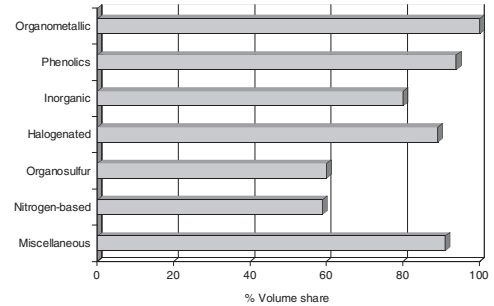
In 2008, the specialty biocide market was just under \$2.0 billion, with market volumes approaching 600 million lbs. Water treatment is the leading application group in the United States, with halogenated biocides the leading category due to significant consumption within water treatment.



a- Includes animal biosecurity, aquaculture, wood treatment, household, industrial and institutional cleaning products, hospital surface and medical instrument disinfection, and leather tanning.

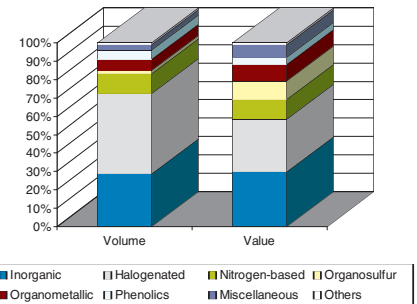
Companies

The supplier base for specialty biocides is dominated by multinational companies, with leading players including Arch Chemicals, BASF, Dow Chemical, and Lonza. Organometallics is the most consolidated market with the leading three players accounting for 100% market share.



Products

Halogenated biocides are the leading product group on a volume basis due to significant consumption of chloroisocyanurates within water treatment applications. Inorganics consume the second greatest volume of biocides due to cuprous oxide usage within antifoulant marine coatings.



Future Outlook

The U.S. specialty biocides market has been impacted by the economic downturn with industrial applications worse affected. Since 2005 growth across most markets have tracked GDP, however from 2008 to 2013 a probable case scenario predicts average growth of 1.0% with a worse case scenario predicting average growth of -0.6%.

