

BCS Exhibitor Showcase SOCMA Nashville - 2024

Discussion Points



Business
Principles



BCS History &
Product Lines



BCS Capabilities
& Advantages



BCS Future

Business Principles

All aspects of the business must be run in an ethical and moral manner. BCS fosters a positive, supportive, high-energy work environment. The Company shares a portion of profits with charities, our communities, and employees.

- The safety of our employees, contractors, visitors, and the community is our first priority
- Plants will maintain an excellent environmental record
- Provide exceptional customer service through communication, relationship building, and value creation on a consistent basis
- **Expect nothing less than 100% accuracy in order fulfillment**
- All operations will be ISO-certified
- Be a sustainable, low-cost producer
- **Grow organically by developing new products and capabilities**



2005-2006: BCS Founded

- Owner and President: Seth Spurlock
- Sandersville, GA polyacrylate manufacturing plant acquisition
 - 6000 gal reactors
 - ISO 9001:2015 certification
- Core products:
 - Sodium and ammonium polyacrylate



Core Market

- Kaolin Mining and Processing:
Strategically Located in Central GA



2007: Biocide Plant

- Acquired adjacent building/property in 2007 and converted it to organic biocide production facility
 - Polyacrylate dispersants and organic biocides are complementary products
 - Hold primary EPA registrations for several active ingredients
- Five 3000-6000 gal vessels with wide range of process capabilities
- Efficacy studies and applications expertise



Biocides

BCS Product	Chemistry Class	Chemical Name	Activity
3500	Propiconazole	1-((2-(2,4-Dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl)methyl)-1H-1,2,4-triazole	50%
3101A			10%
3301A	Bronopol	2-Bromo-2-nitro-1,3-propanediol	30%
3981A			98%
3502A		Glutaraldehyde	50%
3452A			45%
3422A		42.5% Glute + 7.5% ADBAC Quat	42.5%
3252A	Glutaraldehyde		25%
3152A			15%
3142A		14% Glute + 2.5% ADBAC Quat	14%
3042A			4%
3203W			20%
3243	Dazomet	Tetrahydro-3,5-dimethyl-2H-1,3,5-thiadiazine-2-thione	24%
3993M			98%
3993WS		<i>1 lb water-soluble bags</i>	98%
3024CF	Isothiazolin	2-Methyl-4-isothiazolin-3-one + Chloro-2-methyl-4-isothiazolin-3-one	1.5%
3205	DBNPA	2,2-Dibromo-3-nitrilopropionamide	20%
3096W		<i>Water-based Solution</i>	9%
3196	BIT		20%
3196W		<i>Water-based Dispersion</i>	20%

2007-2020: Steady Organic Growth

- Organic growth and reinvestment into the plant over past 15 years
 - Additional liquid-liquid and solid-liquid blending equipment and storage
 - Volume expansion and increase in salesforce
 - Rail unloading/loading
 - Increased market presence in ceramic tile – deflocculant
 - Expansion with blending sites in OK/TX



2021: Phoenix Reactor

- Higher level of process control
- Utilization of multiple raw material feeds and ability to handle a diverse range of vinyl monomers
- Allowed for further expansion into water treatment, paints and coatings, oilfield, textile, HI&I, industrial mining & mineral processing, etc.



Acrylic Polymers (Scale Inhibitors, Dispersants, etc.)

BCS Product	pH	Description	% Solids
4342	3.6	PAA, Partially Neutralized (Low MW)	50
4306	7.0	PAA, Fully Neutralized (Mid MW)	45
4346	3.6	PAA, Partially Neutralized (Mid MW)	50
4230	4.0	AA/AMPS Co-polymer (80/20)	43
4231	4.8	AA/AMPS Co-polymer (60/40)	37.5
4232	3.0	AA/AMPS Co-polymer (60/40)	50
4843	3.3	PCA	50
451	10.0	PMAA	30
474	2.5	AA/AMPS/NI Ter-polymer	44
420	<2.0	HPMA*	49

*Currently Under Development

2023: Wrightstown Terminal

- Wrightstown, WI
- Rail to bulk/transloading for distribution to local coated paper & mining industry





2023: New SanCastle Plant Construction

- Timeline:
 - Site work began in Fall '22
 - Plant construction began Jan '23
 - Target go-live date of Jan '24

2024: SanCastle Commissioning

- First production batch Feb. 6, 2024



2024 and Beyond: SanCastle Growth

- 16,000 sq ft of production space
- Growth in existing and new markets
 - BCS product line
 - Tolling/contract mfg
- Aqueous and solvent-based (free-radical) polymerizations
 - Ability to handle and react various vinyl/acrylic monomers
- Other
- Strong research and development team to support highly technical engagements



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