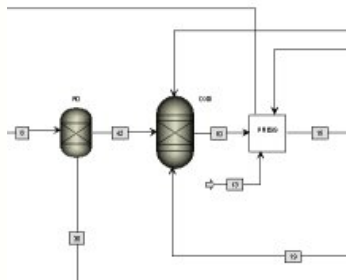


PRODUCT DESCRIPTION SHEET

Aspen OLI



Aspen OLI is a joint product by Aspen Tech and OLI Systems. This product allows the OLI thermodynamic framework to be specified as property package within Aspen Plus as well as other elements of the Aspen Engineering suite (AES). The complete OLI databank and the accuracy of OLI's predictive electrolyte handling software produce accurate aqueous simulations when and where you need them, within your current flowsheet simulator.

FEATURES

- **Electrolytes OLI Property Package** Built on OLI's thermodynamic framework and available in Aspen Plus and as an option to Properties Plus.
- **Electrolytes Component Database** Access to the complete OLI component databases in addition to Properties Plus traditional databases.
- **Electrolyte Properties** Calculation and display of thermodynamic and transport properties specific to electrolyte systems such as pH, osmotic pressure, ionic strength and electrical conductivity.
- **Unit Operations** In addition to any applicable Aspen Plus unit operations, Aspen OLI can be applied to two OLI user-added unit operations (4 Phase Flash and Tower).
- **Chemistry Wizard** To assist in component selection and chemistry model generation.

APPLICATIONS

- pH control
- Trace metal removal
- Brine handling
- Produced water management
- Amines
- Sour gas
- Regulatory and environmental limits
- Crystallization
- Gas sweetening
- Chlor-alkali brines
- Acid stream neutralization
- Solids deposition
- Waste water treatment
- Organic acid removal in brines
- Scrubbers
- Caustic wash tower
- Foul feed stripper
- Multi-effect evaporator

BENEFITS

- **Common Interface** Use OLI's electrolyte package without learning a new interface to another software package
- **OLI Electrolytes within Aspen flowsheets** Use electrolyte handling when working with water-based streams, with "out-of-the-box" water chemistry simulation with OLI's complete databank



PRODUCT DESCRIPTION SHEET

CAPABILITIES

Aspen OLI is built on OLI's time-proven approach to electrolyte systems.

- Complete speciation** The OLI model predicts and considers all of the true species in solution in the range of -50 to 300° C, 0 to 1500 bar, and 0 to 30 molal ionic strength.
- Robust standard state framework** Based on the Helgeson equation of state, parameter regression and proprietary estimation techniques
- Activity coefficients for complex, high ionic strength systems.** Based on the combined work of Bromley, Zeimaitis, Meisner, Pitzer and OLI technologists
- Comprehensive databanks** The Complete OLI databank with 80 inorganic associated compounds and complexes, and thousands of organics. Data service provides customized coverage of client chemistry in the form of private databanks.
- Thermo physical properties** OLI has developed unique chemical /physical based models to compute thermodynamic and transport properties for complex aqueous mixtures.

CONTACT US

Aspen OLI is sold as a joint product between AspenTech and OLI Systems. To find out more, contact your AspenTech Agent, your OLI Agent, or OLI directly.

Contact OLI	PHONE	ADDRESS	EMAIL
	973.539.4996	OLI Systems, Inc.	info@olisystems.com
	SALES	108 American Road	support@olisystems.com
	973.784.3327	Morris Plains, NJ	sales@olisystems.com
	FAX	07950	
	973.539.5922		www.olisystems.com

