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**APPLICATIONS QUESTIONNAIRE FOR
MOLECULAR STILLs, EVAPORATORS, FRACTIONAL STILLs**

Date: _____ Phone: _____

Name: _____ Fax: _____

Title: _____ E-mail: _____

Company: _____

Address: _____

City: _____ State: _____ Zip: _____

Country: _____

The following data is useful for properly sizing equipment and establishing process parameters to accomplish a desired separation. **All data will be treated confidentially.**

I. FEED MATERIAL COMPOSITION & PROPERTIES

Please fill in as much of the information below as possible. It is essential that all components are listed and that the weight percentages total 100%, even if estimated. All provided boiling point and vapor pressure data, and at least some information on viscosity is extremely helpful.

Components (List All)	% by Wt. in Feed (Total 100%)	BP °F/°C (760 mm Hg)	MP °F/°C (760 mm Hg)	MW
1. _____	_____	_____	_____	_____
2. _____	_____	_____	_____	_____
3. _____	_____	_____	_____	_____
4. _____	_____	_____	_____	_____

(Cont.)



II. DESIRED PRODUCT PURITY

Which component(s) is the important end product? _____

Use the below to indicate desired goal (or ideal), and minimum acceptable final purities or compositions.

Components	Goal % Wt. in Distillate	Acceptable % Wt. in Distillate	Goal % Wt. in Residue	Acceptable % Wt. in Residue
1. _____	_____	_____	_____	_____
2. _____	_____	_____	_____	_____
3. _____	_____	_____	_____	_____
4. _____	_____	_____	_____	_____

Further notes regarding end product purity: _____

III. DESIRED PRODUCTION RATES (Indicate kg/hr. or gal/hr, etc.)

A. Feed Rate: _____ B. Distillate Rate: _____ C. Residue Rate: _____

If required production rates are not yet known, please provide estimate of batch sizes (from a reactor, or other operation), and frequency of batches. [Examples: 5000 kg/wk, 6 gal/day, 200 metric tons/month, etc.]

IV. ADDITIONAL INFORMATION (Add extra sheets, if necessary)

A. Additional Vapor Pressure/Temperature Data (mm Hg. @ °C): _____

B. Viscosity/Temperature Data (cP or mPa·s @°C): _____

C. Misc. Physical Information (Degradation Limits, Sublimation, Foaming, Solids, etc.): _____

D. Materials of Compatibility Information: _____

E. Safety Information (Flammability, Flash Point, Toxicity, etc.): _____

F. Any other information would be helpful, (also, attach GC's etc, if available): _____