

**Liquid-Liquid Centrifugal Separation**  
**Applications Questionnaire**

Office Use Only

Copy to:  Sales  Technical   
Project File**ASSESSMENT** By: \_\_\_\_\_ R-S  DM  PR  N-A

Company Name:

Contact Name:

Address:

Phone:

Fax:

1) Briefly describe your process and identify your liquid-liquid separation requirements.

2) What is your current method of liquid-liquid separation? What are its limitations?

3) Please list any literature references or technologies currently used that will assist CINC personnel in the evaluation and improvement of your process employing centrifugal separators:

4) Flow rate of the process or waste stream?

Avg. \_\_\_\_\_ l/h \_\_\_\_\_ l per day

Peak \_\_\_\_\_ l/h \_\_\_\_\_ l per day

\_\_\_\_\_ Hours of operation per day

°C \_\_\_\_\_

Temperature of the application stream: \_\_\_\_\_

Is more heat available if necessary? \_\_\_\_\_

5) Is the liquid stream emulsified? Yes  No

6) Range of stream composition (please include units where appropriate):

**Heavy Phase:**

Percentage (%) of total flow \_\_\_\_\_

Viscosity (@ temp.) \_\_\_\_\_ cP / cSt @ \_\_\_\_\_ °C

pH \_\_\_\_\_ Specific Gravity / Density \_\_\_\_\_

% Solids \_\_\_\_\_ What are they? \_\_\_\_\_

Please list % composition of the major components of the **Heavy Phase**:

**Light Phase:**

Percentage (%) of total flow \_\_\_\_\_

Viscosity (@ temp.) \_\_\_\_\_ cP / cSt @ \_\_\_\_\_ °C

pH \_\_\_\_\_ Specific Gravity / Density \_\_\_\_\_

% Solids \_\_\_\_\_ What are they? \_\_\_\_\_

Please list % composition of the major components of the **Light Phase**:

Is pH adjustment for this application necessary or feasible? Yes  No  Unknown

7) Do you remove solids prior to liquid-liquid separation? If yes, please describe briefly.

8) What are your requirements for purity after separation for the heavy phase?

For the light phase?

9) When can we pilot the process at your facility

10) What is the schedule for the implementation of a liquid-liquid separator in your process?

11) Test preparation

a. vented cabinet is required for dangerous liquids or solvents?

b. List required safety requirements?

c. Electrical scurrent 220 V / 50 Hz ?

12) How long do you calculate for representative tests?

13) Is an analytical support available ?

Please attach a simple flow diagram of the process, including existing equipment and proposed placement of the CINC unit. Do you have any additional questions or comments?

Thank you for your time. This information will help us to determine what is best for your process needs.

Please fax to +41 61 631 6405 or eMail [sohail.mirza@somicon.com](mailto:sohail.mirza@somicon.com)