



CENTRIFUGE SEPARATOR INFORMATION FORM

COMPANY INFORMATION

Contact information of recognized agent of corporation

Information about company in which separator will be installed and company address

TECHNICAL SPECIFICATIONS OF MIXTURE TO BE SEPARATED

1. General information about process

2. Separation target

3. Names and/or explanations of mixture and each phase

4. Type of mixture to be separated and outlet products of it (e.g. liquid-liquid, liquid-solid, liquid-solid-liquid)

5. Density of mixture and components of mixture

- Density of Solid Phase
- Density of Heavy Liquid Phase
- Density of Light Liquid Phase

6. Ratio of Outlet Products

- Solid Ratio (v/v or ppm)
- Heavy Phase Ratio (v/v or ppm)
- Light Phase Ratio (v/v or ppm)

(Please specify which of outlet phases has to be considered as main product or waste)

7. Viscosity of mixture and each phase (Please note temperature at which viscosity is measured)

8. Inlet temperature to separator

9. pH of mixture and each phase

10. Corrosiveness of mixture and each phase Does mixture contain any dissolved solid or crystal substance?	
11. Inflammability and explosiveness of mixture and each phase Flashing/Burning point of mixture	
12. Toxicity of mixture and each phase	
13. Chloride content of mixture unless negligible (ppm at °C)	
14. Structure of solid phase separated (e.g. crystal, fibrous, amorph, gritty)	
15. Particle size (micron) of solid if there is granular solid in mixture)	
16. When mixture is waited, does precipitation occur spontaneously? or is any chemical used to precipitate? If yes, please note type of chemical used.	
17. Is there any remarkable impurity in mixture in addition to phases to be separated?	

PROCESS DETAILS AND REQUIREMENTS	
1. Flowrate which can include daily amount of mixture to be separated (m ³ /d) and time required to process this amount	
2. Process continuity (continous, batch or semi-batch)	
3. External temperature and maximum temperature	
4. Inlet pressure and maximum pressure	
5. Is washing required? If yes, which washing material should be used?	
6. Is compliance with food necessary?	
7. Depending on process, maximum acceptable ratio of (% or ppm) <ul style="list-style-type: none"> ➤ Solid in heavy phase ➤ Solid in light phase ➤ Heavy phase in light phase ➤ Light phase in heavy phase ➤ Light phase in solid ➤ Heavy phase in solid 	
8. Separator installation place (indoor – outdoor)	
9. Electrical information	
OTHER EQUIPMENT INFORMATION	
1. Is there any separator used for same purpose in plant? Brand, model, capacity information	
2. Process stages before separator – After which equipment will separator be installed?	
3. Equipment used in process (type, manufacturer name and/or explanation)	
4. Is a pump required at feed inlet? If yes, is pump control through separator required?	
5. Is a pump required at solid outlet? If yes, is pump control through separator required?	
ADDITIONAL INFORMATION:	