

**Questionnaire**

**Drying Technology**

requires current Acrobat Reader.  
(Download [here](#))

Or send an e-mail to  
[info@sms-vt.com](mailto:info@sms-vt.com)

**General information**

Product / project title / keyword: .....

Company: .....

Address: .....

.....

Contact person: .....

Department: .....

Phone: .....

Email: .....

Date: .....

Signature: .....

## Information about the drying task

Product: .....

Valuable product: .....  
(e.g. solids, solvents)

Aim of drying: .....  
(e.g. reduction of a waste stream, solvent recovery)

Desired feed rate into the dryer (kg/h): .....

Composition:			
	Solid	Solvent	Others
Name			
Chemical formula			
Weight-% in wet product			
Desired weight-% in dry product			

## Information about wet product, dry product, and distillate

Form of wet product: .....  
(e.g. liquid, pasty, moist powder)

Suitable conveyor for wet product: .....  
(e.g. pump, screw conveyor with single or double shaft)

Special requirements for the dry material: .....  
(e.g. fine powder, granules).

Special requirements for the distillate: .....  
(e.g. required purity)

## Information and experience on drying behavior

Are the products temperature-sensitive?  Yes  No

Permissible product temperatures for some

Seconds: ..... °C    Minutes: ..... °C    Hours: ..... °C

If the product has already been dried, please describe the process:  
(Dryer type, method, process parameters)

.....

Problems with the previous process: .....

Further experiences on drying behavior: .....

**Information on the material properties**

Particular hazards due to substances involved in the process:  
(e.g. toxic, explosive)

Solid: .....

Solvent: .....

Others: .....

If yes, please attach a material safety datasheet.

Available physical properties of the components involved in the process:			
	Solid	Solvent	Other
Name			
Molar mass kg/kmol			
Specific heat capacity kJ/(kg K)			
Enthalpy of evaporation kJ/kg			
Boiling temperature at 1 bar °C			
Boiling temperature at .....mbar °C			
Melting point °C			
Decomposition point °C			

Further relevant information on the substances and their properties:

.....

**Other information**

Can the product be made available for laboratory or pilot testing?

Yes                       No

Special requirements regarding the materials of construction to be used: .....

.....

Further comments / remarks: .....

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