AMERICAN CUSTOM DRYING CO.
Processing Innovation

Client Data Request

- **Proprietary data should be noted as such**
- **Please include all related MSDS information**
- **Please supply samples of feed and/or finished product**

Prepared by:_____ Date:_____

COMPANY INFORMATION

Company Name _____ Plant Location_____

_____ _____

_____ _____

Address_____ _____

_____ FAX _____

_____ Telephone _____

_____ E-Mail _____

Company Contacts

Technical _____ Business _____

QA/QC _____ Purchasing _____

PRODUCT INFORMATION

Name/Composition: _____

Chemical Formula: _____

Usual Application/End Use: _____

Status
_ Production
_ Market Sample

Quantity Desired
_____LBS.

By: _____Date

PRODUCTION SCHEDULE

_____LBS. PER YEAR AT _____WEEK INTERVALS _____ MONTH INTERVALS

SPRAY DRYING / PROCESS DESIRED

(Check all required)

_ Dry only
_ Control Powder Properties
_ Homogeneous Powder from wet batch

_ Heating
_ Cooling
_ React

_ Spray chilling
_ Fluidized bed
_ Dehumidified air required

_ Other _____

_____

_____

Development

PRIOR SPRAY DRYING EXPERIENCE

Type of Dryer

MFGR:_____

Size:_____(Dia.)_____(Height)

Capacity:_____ LBS. Product/Hr.

Atomization

_ Centrifugal

_____ Disc. Dia.

_____ RPM

Heat Source

_ Nozzle _ Direct Gas

_ Indirect _ Hydraulic

Preference _____

MFGR: _____

Size: _____

Operating Temperatures

Pressure: _____

Inlet_____ ° F or ℃ Outlet _____℉ or ℃ _ Two Fluid (Air Atomizing)

MFGR: _____

Air Flow

Size: _____

_ Cocurrent _ Countercurrent

Air/Feed Pressure: _____

FEED DATA

_ Solution

_ Suspension

_ Emulsion

_ Gel

_ Other _____

_____

_____

_____

_ Newtonian

_ Dilatant

_ Thixotropic

_ Rheoplastic

Does Rheology change markedly with concentration, heating, pH Please comment _____

_____

pH _____at_____

Viscosity (Brookfield) _____cps. at_____℉ or ℃ _____ spindle

Average particle size in feed _____microns

Filter size to remove foreign matter _____microns/mesh

Concentration (% solids wgt.) _____min._____avg. _____ max.

Specific Gravity (1.0 = water) _____g/cc

Specific Heat _____ BTU/LB. at _____℉ or ℃

Volatiles other than water (concentration ppm) _____

Does material form stable foam _ Yes _ No

Can anti foam agent be used _ Yes _ No

Is the material abrasive/corrosive_ No _ Yes _ Corrosive _ Abrasive

If yes, please comment _____

MATERIAL HANDLING

How will feed be delivered _ Bags _ Bulk Bags _ Drums _ Totes _ Tanker

WGT._____LBS.

Desired Product Package _ Bags _ Bulk Bags _ Drums _ Totes _ Other

WGT._____LBS.

PRODUCT DATA

Moisture content (%WGT.)	MIN._____AVG._____MAX._____
Particle Size	MIN._____AVG._____MAX._____
Microns/Mesh	
Bulk density gm/cc	MIN._____AVG._____MAX._____
Heat stability	_____º F or ºC _____ (time)
Melting Point	_____º F or ºC
Specific Heat	_____ BTU/LB.
Heat of Crystalization	_____ BTU/LB.
Sublimation	_____ º F or ºC
Hygroscopic	_ Yes _ No

RESPONSIBLE CARE / SAFETY AND HEALTH DATA

Permissible emission in exhaust	_____ gn./cu. ft.
Effluent water limits	_____
Is feed or product toxic	_____
TLV	_____
Are products of decomposition toxic	_ No _ Yes Explain
	_____
What conditions may cause decomposition	_____
	_____
Air Over Layer Ignition Temperature	_____ º F or ° C
Bulk Powder Temperature	_____º F or ° C
Is dust explosive	_ Yes _ No
Explosivity Classification	_____
Explosivity Severity (Kst value)	_____

QUALITY SYSTEMS

Are you ISO 9000 certified	_ Yes _ No _ In Progress
Are Standing Operating Procedures available	_ Yes _ No _ In Progress
Is a HACCP plan available	_ Yes _ No _ In Progress
Are samples available	_ Yes _ No

Please include all related MSDS information with The Client Data Request.

NOTES: