SIMPSON
A Norican Technology

Process Industries Project Worksheet

Date:

Customer Information

Customer Name: _____

Company Contact: _____ Title: _____

Address: _____

City: _____ State: _____ Zip: _____

Country: _____

Phone: _____ Email: _____

Webiste: _____

1. Name of Material _____ Amount: _____ Value: _____

2. a.

Component or Chemical Formula	Important Physical Properties* (e.g., bulk density, liquid viscosity, particle size)

*NOTE: Please attach material specification data sheets (MSDS), laboratory analyses, or other importantphysical and chemical property data for the individual constituents listed above.Include representative screen analyses for solids components.

b. What is the purpose of the mixing operation:

Final product? _____

Initial or intermediate step (specify)? _____

Feed to agglomeration process? _____

c.Does material need to be heated or cooled? _____

d.Temperature required for mixing: _____

e.Do ingredients react/interact to cause heat rise during mix? _____

If so, what is the temperature rise? _____

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f. What happens if these temperatures are exceeded? _____

g. What is the largest particle size in mix? _____

4. Crushing permissible? _____

5. Unusual characteristics (hygroscopic, volatile, corrosive): _____

6. Normal moisture tolerances: _____

7. Abrasive (containing silica, quartz, etc.)? _____

8. Present method of preparation? _____

9. How long presently mixed? _____ In what capacities? _____

10. Production capacity per hour required (Min. and Max.): _____

11. Characteristics of final product from mixer: _____

12. Technique for mixing efficiency or end product determination: _____

13. What is the end use of product? _____

14. Solubility, and fluids recommended for cleaning mixer: _____

15. Special testing and design considerations: _____

Preferred materials of construction _____

Materials of construction to be avoided _____

Are any of the materials to be handled corrosive to: Carbon Steel? _____

304 or 316 SS? _____

Does operation require dust removal system? _____

16. Power available at your plant: Volts _____ Phase 3 _____ Cycles _____

17. Material handling precautions: _____

Raw materials and/or final mixed product:

Toxic? _____

Flammable? _____

Toxic by: Inhalation _____ Ingestion _____ Absorption _____

Degree of toxicity: Irritant _____ Temporary _____ Permanent Injury _____

Recommendations for handling raw materials and final mixed product: _____

Comments:

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