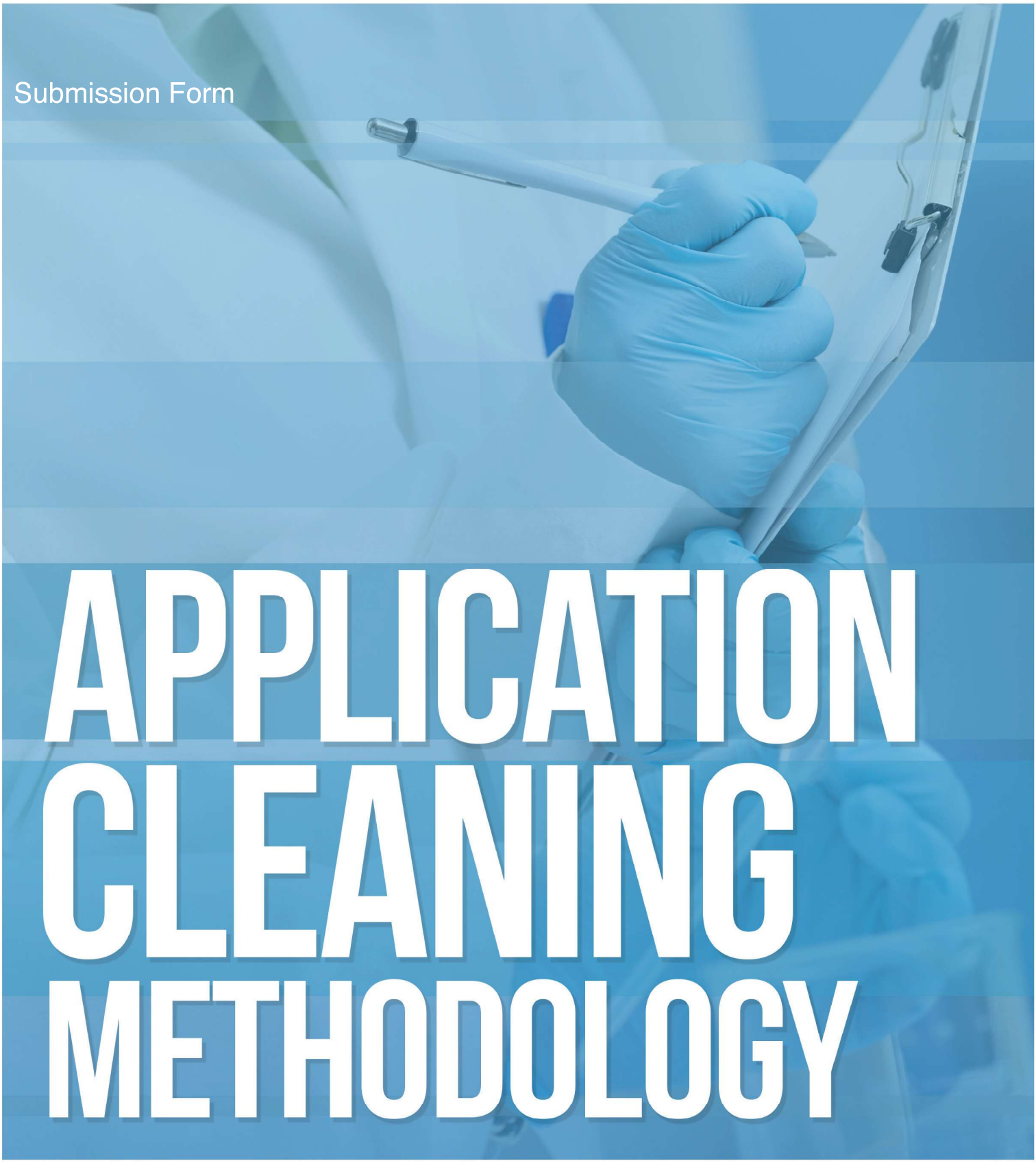
Submission Form



APPLICATION CLEANING METHODOLOGY

Dober Innovation & Technology Center
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chematic®
formulated detergents

DOBER

CHEM_01935_V5JG

Directions for Completing the ACM Form:

The information we gather in this ACM Submission Form will help us to better replicate your soiling and cleaning processes in our laboratory. Please complete the tables and answer the questions that follow as completely as possible. Attach other pages or support information as appropriate.

Contact Information			
Company Name		Phone (Office)	
Primary Contact		Phone (Mobile)	
Address		E-mail	
		Alternate Contact	
		Phone	
Country		Email	

Objectives

Dober wants to ensure that we tailor the cleaning process to meet your goals. Please check the reasons for improving the cleaning process:

Check all that apply:

- ☐ Save labor
- ☐ Reduced reliance on solvents
- ☐ Address a difficult residue - if yes, please describe below
- ☐ Save money
- ☐ Move to automated cleaning
- ☐ Other _____
- ☐ Increase capacity
- ☐ Green/sustainable

List any additional product characteristics, comments or information that might assist us in our studies:

_____

_____

_____

Product Information – Sample Submission (List of ingredients in 'difficult to clean' mixture)				
Product Name / Sample ID (Names are used in the reporting of your results. Active ingredient names or internal names may also be used provided that they relate to the SDS submitted.)	**Sample Size** (1L or 500g to be submitted if possible to permit for maximum experimentation)	**SDS** (check to show that SDS is attached)	**SOP*** (check to show that SOP is attached, when required)	**Hazard Class & Disposal** (List Hazard class and define (or attach) the disposal instructions)

* SOP submission is desirable when there are details of the cleaning process, the manufacturing process or the sample preparation that need to be communicated to the Dober laboratory.

How does residue get on the surface?

The following section is designed to help us better understand what happens to the residue during the manufacturing process and how it adheres to the equipment in order to accurately depict your soil conditions prior to cleaning. Images, photos and/or a copy of the process SOPs may be helpful.

Equipment		
Equipment Name / Type	**Size** (e.g., capacity and/or dimensions)	**Materials of Construction**

Production Details to Assist in Our Simulation of Your Process

Please list current detergent, concentration, temperature and number of cycles:

Detergent	
# of cycles	
% concentration	
Time/Temp	

Do you utilize a Pre-rinse? Yes ☐ No ☐

If yes, list Time/Temp: _____

What is your current cleaning process? Manual ☐ CIP ☐ Other ☐

If other, describe: _____

What temperature range is available to you for cleaning? _____

Can your system maintain temperature? _____

Can you change temperature during cleaning cycle? _____

Do you have hot or cold water pre-rinse capabilities? _____

Do you campaign production? Yes ☐ No ☐

If Yes, how many batches are produced before a thorough cleaning of residues from the surface? _____

What is the maximum time equipment remains soiled before it is cleaned? _____

If residues remain on the equipment prior to cleaning, do they dry? Pick up moisture? Become gummy or sticky?

Describe: _____

Is the residue exposed to heat or significant friction during the manufacturing process?

Describe: _____

If your product is a liquid form (or if your dry product is moistened during processing, such as a wet granulation) and the product you submit is in not in the same form, what ingredient(s) / solvent(s) are used to produce the solution or slurry? What ratio? Have you provided samples of those fluids? (Attach directions as required): _____

_____

_____

Describe other process attributes, limitations or steps prior to cleaning that have an effect on the residue or that might affect your cleaning (e.g., wastewater limitations, available cleaning time, etc.): _____

_____

_____

What are your analytical and documentation requirements? What testing equipment do you use for analysis (provide details such as model, make, detector, etc.) _____

_____