Biosafety Risk Assessment: Chemical Summary Worksheet

This is intended to be used in conjunction with the “Conducting a Biosafety Risk Assessment” Standard Operating Procedure. This worksheet is meant to be used in the “Consideration of Biological and Chemical Hazards” step and will provide a list of the chemicals that may be used in the procedure being assessed. It will also provide "big picture" considerations for the chemicals as they relate to this procedure, including amount and concentration.

1. The following table is used to list all chemicals that may be used in the procedure you are assessing in this biosafety risk assessment.
   Definitions:
   1.1 **Chemical Name**: This is the name of the chemical used in the procedure.

   1.2 For the following items, as per the “Conducting a Biosafety Risk Assessment” Standard Operating Procedure, answer the questions about the chemical after having gathered the related chemical safety data sheets (SDSs).

   1.2.1 **Large Amount**: Could there be a large amount of the chemical when it is used in this procedure (yes or no)? While this is subjective, use your best scientific judgment and information from the chemical’s SDS as to what constitutes a large and as a result more potentially harmful amount. This can be a large mass or volume.

   1.2.2 **High Concentration**: For liquid chemicals, could there be a high concentration of the chemical when it is used in this procedure (yes or no)? While this is subjective, use your best scientific judgment and information from the chemical’s SDS as to what constitutes a high, potentially more harmful concentration.

   1.2.3 **Most Significant Hazards**: List the predominant, most serious GHS Classification hazard(s) that one should consider for this chemical.

Chemicals That May Be Used in This Procedure			
	Fill out after gathering and consulting appropriate chemical SDSs:		
Chemical Name:	**Large Amount?**	**High Concentration?**	**Most Significant Hazards:**
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	

	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	
	☐	☐	

These resources are the product of research from respected biosafety sources that were combined to help create a biorisk program. Please follow your own professional judgement, your institution's established guidelines, and any applicable local, state, and federal requirements.