

JOB SAFETY ANALYSIS



Worksheet Number or Identifier:

Laboratory Job Hazard Analysis

Job/Operation Title: Clean up of broken glass/glass equipment

Date:
04/16/2021

Department/Division/Section:

Environmental Health and Safety

Developed By:
Chris Frydenlund

Person(s) Performing This Job:

Students, faculty and staff

Reviewed By:
Paula Tate

Start Date: All Spring, Summer, and Fall semesters.

Duration: 24/7

Task/Step	Potential Hazards	Recommended Safe Job Procedures
1. Assess whether glass contained hazardous material or any blood borne pathogens	1. Exposure to hazardous material such as toxic, poison, carcinogen, mutagen, teratogen, blood borne pathogen. 2. Exposure to toxic chemicals related to use of 2. Exposure to needles/sharps	Observe all hazard and warning signs If other hazardous material are present refer to the appropriate SDS and JHA for additional instructions. Contact EH&S at *7011 if the damage is too large to handle Do not handle materials unless you are following safe procedures Do not recap needles or pickup broken glass by hand. Maintain situational awareness and inform supervisor of any unusual conditions Ensure all general and lab specific safety training is completed and passed.
2. Disposing of broken glass	1. Penetration by sharp objects 2. Exposure to toxic chemicals related to laboratory work.	Wear appropriate PPE for the work involved Maintain situational awareness and inform supervisor of any unusual conditions Ensure all other hazardous material is handled before handling broken glass. Do not pick up sharps or broken glass by hand. Use tongs to pick up large pieces of glass and dispose in a penetration proof container. Sweep smaller pieces of glass with broom and add to penetration proof container.

POTENTIAL HAZARDS OF THIS JOB

Hazards	Prob.	Sev.	Consequences
Sharp penetration	2	2	Blood borne pathogens
Blood borne pathogens	1	2	Penetration by sharp object
All other hazardous materials	1	2	Toxin/poison
Radioactive Material	1	3	Radiation Burns
			Carcinogen/teratogen/mutagen

HAZARD CONTROL MEASURES USED FOR THIS JOB

<p>Administrative Controls:</p> <ul style="list-style-type: none"> Emergency procedures Fire protection program Housekeeping practices Inspections (ongoing) work areas, equipment, tools, etc. Inspections (pre-job) - work areas, equipment, tools, etc. Material handling procedures Monitoring (biohazards) Operating procedures (process) Policy or policies Safety and health program Safety checklists (use to document inspections) Safety Data Sheets (SDS) Trained personnel Work practices Work schedules (adjust time) 	<p>Required Training:</p> <ul style="list-style-type: none"> Hazard Communication (HAZCOM). Laboratory safety. Personal protective equipment (PPE).
<p>Engineering Controls:</p> <ul style="list-style-type: none"> Chemical reduction Chemical substitution 	<p>Required PPE:</p> <ul style="list-style-type: none"> Clothing - long pants Eye protection Appropriate gloves Side shield
<p>Required Permit(s):</p> <p>none</p>	<p>Other Information:</p> <p>none</p>