

# SOP **Sensitizer**

Purdue University  
Applicable rooms:

Physics Department  
All PRIME Lab areas

PRIME Lab

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## INTRODUCTION

The term sensitizer or allergen describes a wide variety of substances that can produce skin and lung hypersensitivity. Examples include chromium, nickel bichromates, isocyanates, and beryllium

## HAZARDS

Will have no significant effect until repeated exposure to susceptible individuals  
A person may develop mild to severe allergic reaction to very small amounts once sensitized

## PROCEDURES

- 1 Read and understand the MSDS or SDS for any chemicals to be used before starting work.
- 2 If an aerosol or fine dust may be produced, handle the material in a fume hood or other means of containment.
- 3 Appropriate PPE and engineering controls must be used
- 4 For concentrated strong acids or bases, see the concentrated acid and base SOP.

## MINIMUM PPE REQUIREMENTS

- 1 Skin cover to throat/wrists/ankles including required lab coat
- 2 Closed shoes
- 3 Chemical resistant gloves appropriate for the material used
- 4 Safety glasses with side shields
- 5 If an aerosol or fine dust may be produced, handle the material in a fume hood or other means of containment.
- 6 Any additional requirements of hazard certification in room where work is done

## STORAGE

- 1 Store in a dry location
- 2 Store separated from incompatible materials
- 3 Segregation may be achieved by distance or secondary containment

# SOP

## Sensitizer

### DISPOSAL

- 1 All chemical waste must be handled as specified in chapter 7 of the CHP
- 2 All hazardous chemical waste must be placed in appropriate closed containers
- 3 Containers must be properly labeled immediately
- 4 Most chemicals may not be disposed of in the sink
- 5 REM will provide for disposal of all waste chemicals

### EMERGENCY PROCEDURES

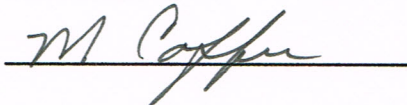
- 1 Spills should be handled as specified in chapter 8 of the CHP and the MSDS of SDS
- 2 Skin or eye contact should be washed with water immediately using an emergency shower or eye wash for at least 15 minutes unless otherwise indicated in MSDS or SDS.
- 3 Skin or eye contact should continue to be treated as specified in the MSDS or SDS
- 4 For any eye injury or significant other injuries Purdue EMS should be called immediately.
- 5 All injuries must be treated as specified in section 6.7 of the CHP

### APPROVAL

PI

Marc Caffee

Signature:



Date:

