

Nanoelectronics Lab, SR B14
4 - Lab Personnel Personal Protective Equipment (PPE)
Knowledge Certification Form

Closed-toed shoes are required to work in this lab

❖Scenario: Using solvents

PPE Required: goggles, gloves (either latex or nitrile, depending on the solvent)

Purpose: To protect eyes, hands, and lungs from a solvent splash or spill and vapors

❖Scenario: Using Acids/Bases

PPE Required: goggles, gloves, lab coat, fume hood

Purpose: To protect eyes, hands, arms, and lungs from acid/base splash or spill and vapors

❖Scenario: Filling the Cascade probe station dewar with liquid nitrogen

PPE Required: Insulated gloves, goggles, lab coat

Purpose: To protect your hands, eyes and arms from a liquid nitrogen splash or spill

☞❖Scenario: Drill or solder iron

PPE Required: goggles; if you have long hair, pull it back with a hair band

Purpose: To protect your eyes from debris; to prevent your hair from getting caught in the drill

❖**Scenario: Removing items from the hot plate or vacuum oven**

PPE Required: goggles, latex or nitrile gloves ($23 < T < 60$ °C); insulated gloves when $T > 60$ °C

Purpose: To protect your eyes from splatter and your hands from burns

❖**Scenario: Using the glovebox**

PPE Required: Clean gloves (either latex or nitrile)

Purpose: To keep the inside of the glovebox gloves clean and sanitary

❖**Scenario: Changing the coolant in the Temptronic ThermoChuck cooling unit**

PPE Required: goggles and gloves

Purpose: To protect your hands and eyes from coolant

❖**Scenario: Using any one of the four probe stations or the optical microscope**

PPE Required: None

I certify that I understand the PPE I am required to use in this lab.

Signature

NetID

Date

Updated 12.28.2020