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| Author: Kevin Arne Title: Prototyping Labs Supervisor Date: 3/30/2022 | |
| #1 Process  (if applicable) | Additive manufacturing of photo-curing resin |
| #2 Equipment | SLA 3D Printers (Form2) |
| #3 Personal Protective Equipment (PPE) | * Minimum shop PPE * Nitrile gloves |
| #4 Environmental /  Ventilation controls. | * Maintain the manufacturer’s supplied controls and filter system. * Use the printer in a large, open, well-ventilated place, or exhaust the printer directly outdoors. |
| #5 Required training or approval | * SLA 3D printer training * Review and observe general safety practices outlined in the Shop Equipment Safety Guidelines. * Refer to the manufacturer’s operating manual for all operating procedures. |
| #6 Inspection requirements before use | Inspect printer and power supply before use |
| #7 Safe operating procedures or precautions | * Avoid skin contact with the photo-curing resin. * Only operate printer with the UV protective shield in place. * Do not disable any interlocks. * Keep exposed flames away from part bath. * If there are any questions regarding safety, ask a staff member for help. |
| #8 Chemicals/ spill procedures/waste disposal | Ask a staff member to dispose of waste isopropyl alcohol. |
| Author Signature: Date: | |