

Standard Operating Procedure

Title: SOP-015 Heat Gun

PI: Art Erdman **Lab Location:** Mayo G217

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Hazard Identification:

Physical Danger

Exposure Assessment:

Heat

- Heating Elements
The exposed metal end of the heat gun is a source of heat when on. The temperature of the heated end and expelled air can be extremely hot, and if it comes into contact with skin, can cause severe burns. It can also cause serious damage to loose clothing, hair, or the surrounding workspace.

Control Plan:

- Read and become familiar with the machine's operating procedures before operating
- Never touch the exposed end of the heat gun when in use
- Hold the heat gun firmly
- When in use, be careful when setting down heat gun on the workbench. Don't let the exposed end touch the workbench or other undesired surface
- Always know where the power *off* switch is located in case of emergency
- Always turn switch to *off* position and unplug when not operating heat gun
- Always disconnect the heat gun from the power source before servicing, repairing, or making any adjustments
- Wear safety glasses at all times while using the heat gun
- Wear heat-resistant protective garments to prevent burns
- Do not wear neckties, jewelry, or loose clothing, as they could come into contact with the heat gun
- Tie up long hair or wear protective hair covering to prevent hair from coming in contact with the heat gun

Experimental Procedures:

- Put on all safety equipment and tie back loose hair or clothing before operating
- Check to make sure all parts of machine are working and functioning properly

- Make sure heated end of heat gun is not touching undesired surfaces
- Prepare work piece for use of heat gun, use clamps or tweezers to hold work piece if desired
- Make sure all safety equipment is on correctly
- Turn on heat gun and hold firmly
- Be aware of where heat gun is pointing at all times. Only blow hot air towards workpiece
- When finished, turn off heat gun immediately and let cool down
- Leave work piece on workspace to cool down
- Clean workspace. Dispose of any leftover material (see Waste Management Procedures)
- Return heat gun to its appropriate location in closet

For other inquiries, see the User Manual in Appendix.

Waste Management Procedures:

When finished with the heat gun, always clean the area. Paper towels and cleaning solution can be found in G217-11.

Place all materials used back in the appropriate place.

Spill and Accident Procedures:

If an accident occurs, report immediately to the lab supervisor (G217-05) or other appropriate staff member. If no one is around, dial 911 on the landline phone near the door of G217-11 to reach the campus police.

If there is a burn, immediately cool the affected area under cold water for 15 minutes. Do not apply any creams or ointments. Cover with a band-aid. Seek immediate medical attention. If needed, the lab first aid kit is located on the wall near the sink. A first aid pamphlet from DEHS is located in all of the MDC's first aid kits.

Appendix:

STEINEL



HL 1610 S
HL 1810 S
HL 1910 E
HL 2010 E
HG 2310 LCD
HG 2510 ESD

PROFESSOR
DESIGN
WARRANTY