

# Sulfur Capping

**DO NOT** use this equipment unless you have been instructed in its safe use/operation and have been given permission.

## PPE and General Precautions



Safety glasses must be worn at all times in work areas.



Long and loose hair must be contained or constrained.



Appropriate footwear with closed-toe must be worn.



Long-sleeve or protective clothing is required.



Protective gloves may be required.

Be aware of SDS for Sulfur Capping compound.

**NO FOOD OR DRINK PERMITTED NEAR EQUIPMENT**

## Task Checklist

1. Wear proper PPE and work with a partner.
2. Verify electrical cord is in good condition, do not use if insulation is damaged.
3. Compound melting pot must be in the fume hood and should be turned on several hours before capping.
4. Do not heat the compound above the range of 280°-300°F.
5. Practice placing cylinder in capping fixture to ensure the ability for safe handling.
6. Keep the work area clear of unnecessary equipment to reduce tripping or other hazards.
7. Wear leather gloves, eye protection, long pants and long sleeves or a lab coat.
8. Be aware of proper lifting techniques and your personal load limit when lifting materials.

## Cleanup

1. Thoroughly clean the fume hood and floor/capping cart of any dripped sulfur compound.
2. Clean off any surfaces where concrete cylinders were placed.
3. Clean the work area and all tools used so that no residual material remains.
4. Put away any reusable PPE and make sure it is clean. If PPE is damaged, notify Lab Manager for replacement.
5. Wash hands to remove any sulfur residue.

## Potential Hazards

- Chemical exposure on skin
- Eye irritation
- Eye injuries
- Inhalation of fumes
- Manual handling
- Burns