Lab Safety SOP

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SOP Purpose

Safe Operating Procedures
Prevent and React
To Unsafe
Conditions and Situations

Hazards Are Everywhere

Combining Elements
Safety Glasses, Goggles & Face Shields

Lab Coats & Aprons

Gloves
- Latex – light duty
- Nitrile – better with corrosives & organics
- PVC – acids, caustics, oils; less flexible
- Butyl Rubber – gases, water, alcohol, polar solvents
- Viton – chlorinated, aromatic solvents, PCBs
- Silver Shield – nearly impermeable & strong; less flexible

Fume Hoods
MSDS

Physical Hazards
- Pressure
- Vacuum
- Electricity
- Water
- Gas Cylinders
- Hot Equipment
- Other people

Biological Hazards
- Wear gloves
- Protect your face
- Don’t eat or drink in the lab
- Don’t wipe your face
- Wash up when you leave
- Don’t wear contaminated gloves/coats to other areas
- Remove gloves to answer the phone, open doors or transfer items
- Keep the lab clean & uncluttered

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