

FROM INDIAN ORCHARD, MASS. cc: D.V.Bierwert  
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SUBJECT LABORATORY PERSONAL PROTECTIVE  
EQUIPMENT REQUIREMENTS  
REFERENCE  
TO ALL PLANT LABS PERSONNEL

Ear Protection

No mandatory ear protection areas.

Head Protection

No mandatory head protection areas.

Respiratory Protection

1. Respirator required while pumping formic acid.
2. Other respiration equipment in emergencies only--Use Scott Air Pak.

Eye Protection

See attached.

Other Protective Equipment

See Safety Manual and SDP requirments for specific job requirements.

/fjh  
Att.

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## EYE PROTECTION REQUIREMENTS

The minimum eye protection required for laboratory operations is given in the table below. For further details, see the pertinent standard procedures, and instructions at equipment locations.

| <u>Operation</u>                                                                                                                          | <u>TYPE OF EYE PROTECTION<br/>MINIMUM</u>                 |
|-------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| 1. All glass cutting operations<br>(Tubing, Rod, Sheet).                                                                                  | Safety Glasses                                            |
| 2. All assembling, dismantling,<br>discarding of glassware.                                                                               | Safety Glasses                                            |
| 3. Drawing vacuum or applying<br>pressure on glassware.                                                                                   | Safety Glasses                                            |
| 4. Prepressing of sheet glass<br>laminates.                                                                                               | Safety Glasses                                            |
| 5. Breaking of glass laminates.                                                                                                           | Full Face Shield                                          |
| 6. Handling concentrated acids<br>or alkalies.                                                                                            | Full Face Shield and Goggles                              |
| 7. Handling phenol                                                                                                                        | Full Face Shield and Goggles                              |
| 8. Kjeldahl Nitrogen Determina-<br>tion.                                                                                                  | Safety Glasses and Full<br>Face Shield                    |
| 9. a. Vinyl Chloride Monomer<br>Testing<br>b. Handling of sample con-<br>tainers.                                                         | Safety Glasses and Full<br>Face Shield<br>Safety Glasses. |
| 10. Using air hoses                                                                                                                       | Safety Glasses                                            |
| 11. Pedestal Grinder                                                                                                                      | Safety Glasses plus Full<br>Face Shield                   |
| 12. Drill Press (Drilling)<br>Drill Press (Mixing)                                                                                        | Safety Glasses<br>Full Face Shield                        |
| 13. Destructive Testing.                                                                                                                  | Safety Glasses                                            |
| 14. Pumping Formic Acid                                                                                                                   | Full Face Shield and Goggles                              |
| 15. Normal Bench Work --<br>Titrations, pH, etc., all<br>operations in bench areas<br>where work requiring eye<br>protection is going on. | Safety Glasses                                            |
| 16. Handling of Organic Solvents                                                                                                          | Goggles                                                   |

  
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