

GLOVES – SELECTION AND COMPATIBILITY

Gloves are one component of the personal protective equipment ensemble when working with chemicals. The Material Safety Data Sheet is usually the best place to find recommendations for glove selection for a particular chemical. If the MSDS does not provide any recommendations, the glove manufacturer's test data may provide the information.

Do not use the gloves until you review the glove compatibility chart from the glove manufacturer that you select. If you cannot find the compatibility chart, please contact EHS for assistance.

Below are several internet links for chemical compatibility guides of the larger glove manufacturers.

[MAPA](#)

[North](#)

[Ansell](#)

[Best Glove](#)

[Microflex](#)

Key points to remember for proper glove use:

- Gloves are tested under controlled laboratory conditions with one chemical at one temperature
- All materials are permeable and degrade
- There are no universal barriers
- Chemical resistance varies with the glove's material and thickness
- Permeation varies with the chemical's concentration, temperature, and mixture's components
- Inspect gloves prior to use for cracks, tears, damage, deterioration, dirt, or discoloration
- Continue inspections during use
- Change gloves at recommended time intervals
- Wash hands and gloves prior to removal and disposal
- **Never reuse single-use disposable gloves**
- Do not wear gloves outside lab area

If you have any questions, please call Marjorie Markopoulos at 937-775-2797, or the Department of Environmental Health & Safety at 937-775-2215.