

OHS ALERT



Incident /Hazard	Disposable Gloves and Phenol/ Chloroform
Date	14th December 2010
Injuries	None Reported

What happened?

In routine laboratory inspections it has been noticed that disposable nitrile gloves are being used as part of the PPE for phenol-chloroform extractions. The Ansell Chemical Glove Guide (<http://www.ansellasiapacific.com/chemical-glove-guide>) rates Nitrile gloves in the lowest category rating i.e. Colour coded red as meaning 'Avoid Use' and carries a 'Not Recommended' rating. Similarly such gloves are used when using Trizol (which has phenol as an ingredient).

There have been instances where the nitrile gloves disintegrate and causes skin burns to the hands.

The most effective glove combination to use for this application is a combination of a reusable laminated barrier glove (to provide protection) used in conjunction with a disposal glove such as nitrile (to provide dexterity).

Actions for your work unit

Investigate whether the following substances are being used in your work area:

- Phenol or
- Chloroform or
- Trizol

Ensure laminated chemical barrier gloves are available in the work area for this application to be used in conjunction with disposal gloves.



Supplier: Protector Alsafe (vendor#61978)

Product:

- 03165050 GLOVES BARRIER FLAT FILM 2-100-8 SIZE 8
- 03165067 GLOVES BARRIER FLAT FILM 2-100-8 SIZE 9
- 3165084 GLOVES BARRIER FLAT FILM 2-100-8 SIZE 10

Price: \$12 pair (minimum order of 12)

Check this link for details of Barrier Gloves [Barrier Gloves](#)

Check this guide for **other chemicals that may be handled** when wearing these gloves.

[Ansell 7th Edition Chemical Resistance Guide](#)

