

<b>Types of Gloves and the Protection</b> <b>Examples:</b> <b>Type of GLOVE</b>	<b>PROTECTS AGAINST</b>
Rubber	Acids, bases, caustics, solvents, diluted-water solutions of chemicals, alcohol: <b>High resistance to cuts</b>
Canvas ,Cloth, or Leather	Dirt, wood splinters, sharp edges
Metal Mesh	High resistance to cuts and scratches
Insulated	Electrical charges
Insulated	Heat and cold extremes
Heat-resistant	Heat and Flames
Hypoallergenic and powder free	Skin problems in workers with allergies
Cuffed	Liquid trickling down into the glove

<b>Special Materials for Gloves</b>	<b>PROTECTION</b>
Nitrile (synthetic rubber)	Oils, many solvents, esters, grease, and animal fat; <b>High resistance to cuts and abrasions</b>
Neoprene	Broad range of chemicals, oils, acids, caustics and solvents; <b>less resistant to cuts, punctures and abrasions than nitrile.</b>
Polyvinyl Chlorine (PVC)	Acids, caustics, alkalis, bases and alcohol; <b>Good abrasion and cut resistance</b> <b>** some types of PVC are susceptible to cuts</b>
Polyvinyl Alcohol (PVA)	Aromatics, chlorinated solvents, esters, and most ketones; <b>Resists cuts, punctures and abrasion</b> <b>** some PVA breaks down when exposed to water and light alcohol</b>
Ethylene vinyl alcohol (EVOH), also called flat flim	Highly resistant to chemicals and hazardous materials; <b>Little or no resistance to cuts and tears</b>

	(usually worn as a liner under PVC or Nitrile)
Butyl	Acetone and dimethyl formamide; <b>Not useful against cuts, punctures and abrasions</b>
Vitron	Benzene, methylene chloride and carbon disulfide; <b>Little resistance to cuts, punctures and abrasion</b>

### Proper Fit, Care and Maintenance of Hand Protection

1. Check gloves for cracks, and holes, especially at the tips and between the fingers
2. Replace worn or damaged gloves promptly.
3. Keep gloves clean and dry.
4. Make sure gloves fit properly -- a small glove tires the hand and a large one is clumsy to work in.
5. Check MSDS sheets or contact your supervisor for any chemical you handle to see if a particular glove is needed
6. Cover all cuts before you put on your gloves.