








**ST. JOHN'S
UNIVERSITY**





**Department of Environmental Health and Safety Personal
Protective Equipment (PPE) Selection List**

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Applicable PPE	Specific Type (example)	Characteristics	Applications
Latex glove	Disposable latex gloves 	Powered or un-powered	Working with biological hazards (known or potentially known infectious materials including work with animals)
Nitrile glove	Disposable nitrile gloves 	Puncture, abrasion resistant, protection from splash hazards	Working with biological hazards and chemical splash hazards, offers protection against oils, greases, acids, caustics, and alcohols
Vinyl glove	Disposable vinyl gloves 	Economical, durable, similar to latex	Working with biological hazards
Light chemical resistance glove	Natural rubber latex 	Chemical resistant, liquid-proof	Working with small volumes of corrosive liquids, organic solvents, flammable organic compounds

Applicable PPE	Specific Type (example)	Characteristics	Applications
Light to heavy chemical resistant glove	(Non-Disposable) Nitrile gloves 	Chemical resistant, good puncture, cut, and abrasion resistance	Apparatus under pressure, air and water reactive chemicals
Heavy chemical resistant glove	Butyl glove 	High permeation resistance To most chemicals	Large volumes of organic solvents, small to large volumes of dangerous solvents, acutely toxic or hazardous materials
Heavy chemical resistant glove	Silver shield glove 	Extra chemical protection	Same as butyl, some specific chemicals need this brand of glove
Insulated glove	Terrycloth autoclave glove 	Heat resistant	Working with hot liquids and equipment, open flames, water bath, oil bath
Insulated glove	Cryogen gloves 	Water resistant or water proof, protection against ultra-cold temperatures	Cryogenic liquids

Applicable PPE	Specific Type (example)	Characteristics	Applications
Lab coats	Flame resistant lab coat 	Flame resistant (e.g. Nomex or flame-resistant Cotton)	Working with water or air reactive chemicals, large volumes of organic solvents, potentially explosive chemicals
Safety glasses	Safety glasses 	Polycarbonate lens, side shields for eye protection; meets ANSI and OSHA specifications	Protective physical barrier for general laboratory work such as working with chemical, biological, radiation, physical hazards; (Caution: Not applicable for chemical splash)
Goggles	Tight fitting goggles 	Tight fitting goggles, protects eyes from impact, spray, paint, chemicals, flying chips, dust particles; polycarbonate lens indirect ventilation, meets ANSI and OSHA specifications	(Applicable for chemical splash) Working with large volumes of corrosive liquids, small to large volumes of acutely toxic corrosives, working with large volumes of organic solvents, acutely toxic or `hazardous chemicals, apparatus under pressure, air or water reactive chemicals
Face Shield	Face Shield 	Chemical resistant face shield	For use with mild acids, Caustics, methylene chloride, Aromatic hydrocarbons, Splash hazards, air or water Reactive or potentially Explosive chemicals, liquid nitrogen