

## Information on the trade name of various gloves materials

~ from the Canadian Center for Occupational Health and Safety~

([http://www.oshcanada.com/oshanswers/prevention/ppe/trade\\_name.html](http://www.oshcanada.com/oshanswers/prevention/ppe/trade_name.html))

### What are the trade names and manufacturers of some materials used in personal protective clothing and what are they made of?

The table below lists the names of some commercial products that are used in producing certain kinds of personal protective clothing (e.g., gloves, aprons, vests, suits). These are mentioned elsewhere in *OSH Answers* question-and-answer documents as examples of "trade mark" (TM) products. However, for the sake of brevity, the manufacturers' names and product descriptions were not included in the question and answer documents. This list gives the name of the manufacturer and a brief description of the material and examples of what kinds of personal protective clothing are made from these materials. For more complete descriptions of the products and their uses and limitations, you should consult your safety equipment supplier and/or the manufacturer.

This list is not intended to be comprehensive; you may know of other products that meet your needs. The mention of trade name products is not intended as a recommendation or endorsement of any product but is provided for the convenience of users since the trade mark names are used commonly in the literature.

Trade Name	Manufacturer	Description
4H (TM)	Safety 4, Inc.	Multi-layer laminate of polyethylene (PE) and ethylene-vinyl alcohol (EVOH [ISO 1043-1 abbrev.] or EVAL) - offers protection against exposure to many chemicals and mixtures.
Barricade (TM)	DuPont	A chemical barrier fabric (multilayer laminate) that provides excellent chemical resistance.
Chemrel (TM)	Chemron UK	Multi-layered film barrier composites, laminated onto a soft polypropylene substrate; encapsulated suits made from different Chemrel (TM) fabrics are available providing protection against different chemicals and gases.
Kevlar (TM)	DuPont	Aramid (aromatic polyamide) fibre - tough textile fiber used in protective clothing where resistance to cuts, heat, bullets or flying fragments is needed.
Nomex (TM)	DuPont	High-temperature-resistant aramid (aromatic polyamide) fibre; resistant to a wide range of industrial chemicals and solvents.
Responder (TM)	Life-Guard	Multi-film material designed to offer a high degree of permeation resistance to a broad range of chemicals; also used in level A vapour protective suits (totally encapsulated chemical [TECP] suits).
Saranex (TM)	Dow Chemical Company	Multi-layer coextruded film made from polyethylene (PE), polyvinylidene chloride (PVDC), and ethylene-vinyl acetate (EVA or EVAC [ISO 1043-1 abbrev.]) Used as a coating for protective clothing.

Silver Shield (TM)	Siebe North Inc.	A laminate material that offers excellent protection against a wide range of chemicals and solvents but does not have good cut-resistance. Can be used as an inner glove to enhance protection where cuts / mechanical damage are likely.
Teflon (TM)	DuPont	Fluorocarbon polymers made from tetrafluoroethylene (TFE) or from a mixture of tetrafluoroethylene and hexafluoropropylene. Has excellent chemical and thermal resistance but poor physical strength properties; is combined with other materials in protective clothing.
Trellchem (TM)	Trelleborg Protective Products AB	<p>Trade name of a range of chemical protective suits. All are made with a polyamide fabric coated with different materials for the outside and inside layers offering protection against exposure to wide range of chemicals; some suits (HPS,VPS,TLU-A) meet NFPA flammability test criteria.</p> <p>Trellchem HPS (High Performance Suit) (TM) - Viton (TM) and butyl rubber outside and a polymer barrier laminate inside.</p> <p>Trellchem VPS (Vapour Barrier Suit) (TM) - chloroprene rubber outside and a polymer barrier laminate inside.</p> <p>Trellchem Super (TM) - Viton (TM) and butyl rubber outside and butyl rubber inside.</p> <p>Trellchem Butyl (TM) - butyl rubber outside and inside.</p> <p>Trellchem Light (TM) - polyvinyl chloride (PVC) outside and inside.</p> <p>Trellchem TLU (Limited Use) (TM) - polymer barrier laminate outside and inside.</p> <p>Trellchem TLU-A (TM) - ensemble comprising an aluminized fibreglass fabric over-cover and a Trellechem TLUsuit.</p>
Tychem (TM)	DuPont	Offers protection against exposure to wide range of chemicals and is more tear- and puncture-resistant than Barricade (TM) material.
Viton (TM)	DuPont Dow Elastomers	Series of synthetic fluororubbers, elastomers based on polymers made from hexafluoropropylene and vinylidene fluoride or vinyl fluoride; other fluorocarbons may be used in some Viton (TM) products.
Zetex (TM)	Newtex	Clothing products are woven from highly texturized silica yarns - an alternative to asbestos for gloves, etc. for protection against heat, flames and sparks.