

## Chemical Penetration Data

Chemical	CAS #	Sentinel
2-mercaptoethanol (>98%)	60-24-2	PASS
Acetic Acid (99%)	64-19-7	PASS
Acetone	67-64-1	PASS
Ammonia, anhydrous (99.99%)	7664-41-7	PASS
Ammonium Hydroxide (30%)	1336-21-6	PASS
Benzene	71-43-2	PASS
Benzyl Alcohol	100-51-6	PASS
Benzyl Chloride	100-44-7	PASS
Butanol	71-36-3	PASS
Butyl Acetate	123-86-4	PASS
Butyl alcohol (NBOH) (100%)	75-65-0	PASS
Carbolic Acid (Phenol) (70%)	64-1-97	PASS
Carbon Tetrachloride	56-23-5	PASS
Chloroacetone	78-95-5	PASS
Chloroform (Trichloromethane)	67-66-3	PASS
Citric Acid (30%-70%)	77-92-9	PASS
Cyclohexane	110-82-7	PASS
Dichloromethane (methylene chloride)	75-09-2	PASS
Diesel Fuel (100%)	n/a	PASS
Ethyl Acetate	141-78-6	PASS
Ethyl Alcohol (Ethenol)	64-17-5	PASS
Ethylbenzene (99.8%)	100-41-4	PASS
Ethylene Dichloride	107-06-2	PASS
Formic Acid (90%)	64-18-6	PASS
Gasoline (100%)0	n/a	PASS
Glycerol (Glycerine)	56-81-5	PASS
Hydrofloric Acid	7664-39-3	PASS
Hydrogen Chloride (99.0% - hydrochloric acid)	7647-01-0	PASS
Hydrogen Peroxide (CHOL) (50%)	7722-84-1	PASS
Jet Fuel (100%)	n/a	PASS
Kerosene	8008-20-6	PASS
Lactic Acid (>70%)	50-21-5	PASS
Mehtyl Chloride (Chloromethane)	75-09-2	PASS
Methanol (methyl alcohol, carbinol)	67-56-1	PASS
Methyl Ethyl Ketone	78-93-9	PASS
Naptha (Mineral Spirits)	8052-41-3	PASS
n-Hexane	110-54-3	PASS
Octyl Alcohol (Octanol)	111-87-5	PASS
Oleic Acid	112-80-1	PASS
Pentyl Acetate (Amylacetate)	123-92-2	PASS
Phenol (NEAT)	108-95-2	PASS
Phenol (70%)	64-1-97	PASS
Phosphoric Acid (85%)	7664-38-2	PASS
Potassium hydroxide	1310-58-3	PASS

Chemical	CAS #	Sentinel
Propyl Acetate	109-60-4	PASS
Propyl alcohol (NPOH) (100%)	71-23-8	PASS
Sodium Chlorate (Aqueous)	1310-73-2	PASS
Sodium Hydroxide (50%)	1310-73-2	PASS
Sulfuric Acid (93.1%)	7664-93-9	PASS
Tannic Acid	1401-55-4	PASS
Toluene	108-88-3	PASS
Trichloroethylene	79-01-6	PASS
Turpentine (100%)	8006-64-2	PASS
Xylenes (100%)	1330-20-7	PASS

Penetration resistance was measured in accordance with ASTM F 903, Standard Test Method for Resistance of Protective Clothing Materials to Penetration by Liquids, Procedure C.

Tests were conducted by TRI Environmental