

Chemical Penetration Data

Chemical Name	CAS #	Sentinel™
ALCOHOLS		
2-mercaptoethanol	60-24-7	PASS
Benzyl Alcohol	100-51-6	PASS
Butyl alcohol (NBOH) (100%)	71-36-3	PASS
Ethyl Alcohol (Ethanol)	64-17-5	PASS
Glycerol (Glycerine)	56-81-5	PASS
Methanol (100%)	67-56-1	PASS
Octyl Alcohol (Octanol)	111-87-5	PASS
Propyl alcohol (NPOH) (100%)	71-23-8	PASS
HYDROCARBON (SOLVENTS)		
Benzene (Bensol)	71-43-2	PASS
Benzyl Chloride	100-44-7	PASS
Carbon Tetrachloride	56-23-5	PASS
Chloroform (Trichloromethane)	67-66-3	PASS
Cyclohexane	110-82-7	PASS
Diesel Fuel (100%)	68476-34-6	PASS
Ethylbenzene	100-41-4	PASS
Gasoline (100%)	8006-61-9	PASS
Hexane (Butylethylene)	110-54-3	PASS
Jet Fuel (100%)	8008-20-6	PASS
Kerosene	8008-20-6	PASS
Methyl Chloride (Chloromethane)	75-09-2	PASS
Naptha (Mineral Spirits)	8052-41-3	PASS
Toluene (100%)	108-88-3	PASS
Trichloroethylene	79-01-6	PASS
Turpentine	8006-64-2	PASS
Xylene (Dimethyl benzene)	1330-20-7	PASS
KETONES		
Acetone (100%)	67-64-1	PASS
Chloroacetone	78-95-5	PASS
Methyl Ethyl Ketone	78-93-9	PASS
ORGANIC ACIDS		
Acetic Acid (99%)	64-19-7	PASS
Carbolic Acid (Phenol) 70%	64-1-97	PASS
Citric Acid - 30%-70%	77-92-9	PASS
Lactic Acid >70%	50-21-5	PASS
Oleic Acid	112-80-1	PASS
Tannic Acid	1401-55-4	PASS
ORGANIC ESTERS		
Butyl Acetate	123-86-4	PASS
Ethyl Acetate (100%)	141-78-6	PASS
Pentyl acetate (amylacetate)	123-92-2	PASS
Propyl Acetate	109-60-4	PASS
OTHERS		
Amonia aqueous (40%)	1336-21-6	PASS
Formic Acid (90%)	64-18-6	PASS
Hydrochloric Acid	7647-01-0	PASS
Hydrofloric Acid	7664-39-3	PASS
Hydrogen Peroxide (50%)	7722-84-1	PASS
Phosphoric Acid (70%)	7664-38-2	PASS
Potassium Hydroxide	1310-58-3	PASS
Sodium Hydroxide	1310-73-2	PASS
Sulfuric Acid (93-98%)	7664-93-3	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 & MNA, Llc., Updated July 2015