

Chemical Penetration Data

Chemical	CAS #	MP3/Omega
2-mercaptoethanol (>98%)	60-24-2	PASS
Acetic Acid (99%)	64-19-7	PASS
Acetone	67-64-1	PASS
Acetonitrile (cyanomethane)	75-05-8	PASS
Aluminum Ammonium Sulfate (12.2%)	7784-26-1	PASS
Acrylic Acid (99.0%)	79-10-7	FAIL
Ammonium Hydroxide (30%)	1336-21-6	PASS
Ammonium Phosphate	7722-76-1	PASS
Benzene	71-43-2	PASS
Butanone (Methyl Ethyl Keytone) (99%)	78-93-3	PASS
Calcium Hydroxide	1305-62-0	PASS
Calcium Hypochlorite (21%)	777-54-3	PASS
Chloroacetic Acid (83%)	79-11-8	PASS
Chromic Acid	7738-94-5	PASS
Citric Acid (30%-70%)	77-92-9	PASS
Cyclohexylamine (MCHA) (100%)	108-91-8	PASS
Dichloromethane (methylene chloride)	75-09-2	PASS
Diesel #2	68476-34-6	PASS
Ethyl Acetate	141-78-6	PASS
Ethyl Glycol	107-21-1	PASS
Ethylbenzene (99.8%)	100-41-4	PASS
Ethylene Dichloride	107-06-2	PASS
Fire Resistant Hydraulic Fluid (Skydrol)	N/A	PASS
Formaldehyde (37%)	50-00-0	PASS
Formic Acid (90%)	64-18-6	PASS
Gasoline (100%)0	n/a	PASS
Heptanoic Acid (99%)	111-14-8	FAIL
Hydrochloric Acid (37%)	7647-01-0	PASS
Hydrofloric Acid	7664-39-3	PASS
Hydrofluosilicic Acid (25%)	16961-83-4	PASS
Hydrogen Chloride (99.0% - hydrochloric acid)	7647-01-0	PASS
Hydrogen Peroxide (CHOL) (50%)	7722-84-1	PASS
Hydroiodic Acid (47%)	1333-82-0	FAIL
Iso-octane (99.8%)	540-84-1	PASS
JP8 Jet Fuel	86290-81-5	PASS
Methanol (methyl alcohol, carbinol)	67-56-1	PASS
Methyl Formate (99.9%)	107-31-3	PASS
Methyl Isoamyl Ketone (98.0%)	110-12-3	FAIL
Methyl Methacrylate	80-62-6	FAIL
Methyl Propyl Ketone (90%)	107-87-9	PASS
n-Hexane	110-54-3	PASS
N,N Diethyl Acetamide	127-19-5	FAIL

Chemical	CAS #	MP3/Omega
Nitric Acid (70%)	7697-37-2	PASS
Phenol (NEAT)	108-95-2	PASS
Phosphoric Acid (85%)	7664-38-2	PASS
Potassium Fluoride	7789-23-3	PASS
Potassium hydroxide	1310-58-3	PASS
Sodium Aluminate (30%)	11138-49-1	PASS
Sodium Chlorate (Aqueous)	1310-73-2	PASS
Sodium Chlorate (Saturated Solution)	7775-09-0	PASS
Sodium Chlorite (Saturated Solution)	7758-19-2	PASS
Sodium Hydroxide (50%)	1310-73-2	PASS
Sodium Hypochlorite (15%)	7681-52-9	PASS
Sodium Silicate (50%)	6834-92-0	PASS
Sulfuric Acid (93.1%)	7664-93-9	PASS
Tetrahydrofuran	109-99-9	PASS
Toluene	108-88-3	PASS
Trichloroethylene	79-01-6	PASS
Turpentine (100%)	8006-64-2	PASS
Urea (54%)	57-13-6	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 and Intertek. List Last Updated June 2020