

## Chemical Penetration Data

Chemical	CAS #	AcidBasic
Acetic Acid (99%)	64-19-7	PASS
Acetone	67-64-1	PASS
Acetonitrile (cyanomethane)	75-05-8	PASS
Ammonia, anhydrous (99.99%)	7664-41-7	PASS
Ammonium Hydroxide (30%)	1336-21-6	PASS
Amonia aqueous (27-31%)	7664-417	PASS
Butyl alcohol (NBOH) (100%)	75-65-0	PASS
Carbon Disulfide (100%)	75-65-0	PASS
Caustic Soda Lime (70-90%)	75-15-0	PASS
Cyclohexylamine (MCHA) (100%)	108-91-8	PASS
Dibutylamine (DNBA) (100%)	111-92-2	PASS
Dichloromethane (methylene chloride)	75-09-2	PASS
Dicyclohexylamine (DCHA) (100%)	101-83-7	PASS
Diesel Fuel (100%)	n/a	PASS
Diethylamine	109-89-7	PASS
Diisobutylamine (DIBA) (100%)	110-96-3	PASS
Diisopropylamine	108-18-9	PASS
Dimethylamine (DMA) (100%)	124-40-3	PASS
Dimethylformamide (DMF)	68-12-2	PASS
Dipropylamine (DNPA) (100%)	142-87-7	PASS
Ethyl Acetate	141-78-6	PASS
Ethylamine (MEA) (100%)	75-04-7	PASS
Gasoline (100%)0	n/a	PASS
Hydrazine (35%)	302-01-2	PASS
Hydrofloric Acid	7664-39-3	PASS
Hydrogen Peroxide (CHOL) (50%)	7722-84-1	PASS
Isobutylamine (MIBA) (100%)	13952-84-6	PASS
Isopropyl alcohol (IPOH) (100%)	67-63-0	PASS
Isopropylamine (MIPA) (100%)	75-31-0	PASS
Jet Fuel (100%)	n/a	PASS
Methanol (methyl alcohol, carbinol)	67-56-1	PASS
Methylamine (MMA) (100%)	74-89-5	PASS
Methylbutylamine (MBA) (100%)	110-68-9	PASS
n-Hexane	110-54-3	PASS
Nitric Acid (70%)	7697-37-2	PASS
Nitrobenzene	98-95-3	PASS
Phosphoric Acid (85%)	7664-38-2	PASS
Potassium hydroxide	1310-58-3	PASS
Propyl alcohol (NPOH) (100%)	71-23-8	PASS
Propylamine (MNPA) (100%)	107-10-8	PASS
Sodium Hydroxide (50%)	1310-73-2	PASS
Sodium Hypochlorite (15%)	7681-52-9	PASS
Sulfuric Acid (93.1%)	7664-93-9	PASS
Sulfuric Dioxide	7446-09-5	PASS

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Tetrachloroethylene (perchloroethylene)	127-18-4)	PASS
Tetrahydrofuran	109-99-9	PASS
Toluene	108-88-3	PASS
Tributylamine (TNBA) (100%)	102-82-9	PASS
Triethylamine (TEA) (100%)	121-44-8	PASS
Trimethylamine (TMA) (100%)	75-50-3	PASS
Tripropylamine (TNPA) (100%)	102-69-2	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