

## Chemical Penetration Data

| Chemical Name                               | CAS #      | PetroLite™ |
|---|------------|------------|
| 2-mercaptoethanol (>98%)                    | 60-24-2    | PASS       |
| Acetic Acid (99%)                           | 64-19-7    | PASS       |
| Acetone (100%)                              | 67-64-1    | PASS       |
| Acetonitrile (100%)                         | 75-05-8    | PASS       |
| Acetaldehyde (98.5%)                        | 75-07-0    | PASS       |
| Amonia aqueous (27-31%)                     | 7664-417   | PASS       |
| Ammonium Hydroxide (30%)                    | 1336-21-6  | PASS       |
| Benzene                                     | 71-43-2    | PASS       |
| Butanone (MEK) (99%)                        | 78-93-3    | PASS       |
| Butanone Oxime (99%)                        | 96-29-7    | PASS       |
| Butyl alcohol (NBOH) (100%)                 | 75-65-0    | PASS       |
| Carbon Disulfide (100%)                     | 75-15-0    | PASS       |
| Caustic Soda Lime (70-90%)                  | 8006-28-8  | PASS       |
| Cyclohexanol (99%)                          | 108-93-0   | PASS       |
| Cyclohexanone (99%)                         | 108-94-1   | PASS       |
| Cyclohexylamine (MCHA) (100%)               | 108-91-8   | PASS       |
| Dibutylamine (DNBA) (100%)                  | 111-92-2   | PASS       |
| Dichloromethane (methylene chloride) (100%) | 75-09-2    | PASS       |
| Dicyclohexylamine (DCHA) (100%)             | 101-83-7   | PASS       |
| Diesel Fuel (100%)                          | n/a        | PASS       |
| Diethylamine (100%)                         | 109-87-7   | PASS       |
| Diisobutylamine (DIBA) (100%)               | 110-96-3   | PASS       |
| Diisopropylamine (DIPA) (100%)              | 108-18-9   | PASS       |
| Dimethyl Formamide (DMF) (100%)             | 68-12-2    | PASS       |
| Dimethylamine (DMA) (100%)                  | 124-40-3   | PASS       |
| Dimethylformamide (100%)                    | 68-12-2    | PASS       |
| Dipropylamine (DNPA) (100%)                 | 142-87-7   | PASS       |
| Ethyl Acetate (100%)                        | 141-78-6   | PASS       |
| Ethylamine (MEA) (100%)                     | 75-04-7    | PASS       |
| Ethylbenzene (99.8%)                        | 100-41-4   | PASS       |
| Ethylene Dichloride                         | 107-06-2   | PASS       |
| Formic Acid (90%)                           | 64-18-6    | PASS       |
| Gasoline (100%)                             | n/a        | PASS       |
| Hydrochloric Acid (32%)                     | 7647-01-0  | 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 (100%)                             | 67-56-1    | PASS       |
| Methyl Isopropyl Ketone (98%)               | 563-80-4   | PASS       |
| Methylamine (MMA) (100%)                    | 74-89-5    | PASS       |
| Methylbutylamine (MBA) (100%)               | 110-68-9   | PASS       |
| n-Hexane (100%)                             | 110-54-3   | PASS       |
| Nitric Acid (70%)                           | 7697-37-2  | PASS       |
| Nitrobenzene (100%)                         | 98-95-3    | PASS       |
| Oleum (20% Free SO3)                        | 8014-95-7  | PASS       |
| Phenol (NEAT)                               | 108-95-2   | 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 Chlorate (Aqueous)                   | 1310-73-2  | PASS       |
| Sodium Hydroxide (50%)                      | 1310-73-2  | PASS       |
| Sodium Hypochlorite (15%)                   | 7681-52-9  | PASS       |
| Sulfuric Acid (93-98%)                      | 7664-93-3  | PASS       |
| Sulfuric Dioxide                            | 7446-09-5  | PASS       |
| Tetrachloroethylene (100%)                  | 127-18-4   | PASS       |
| Tetrahydrofuran (100%)                      | 109-99-9   | PASS       |
| Toluene (100%)                              | 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       |
| 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 & MNA, Lic., Updated July 2015