

IGNITABLE LIQUID CLASSIFICATION SCHEME

This table illustrates some of the commercial products that fall into the various ASTM E1618 ignitable liquid classifications. Categorizations are by chemical classification and carbon range. **Note: this list is not all-inclusive.** Please note that some products such as lamp oils and charcoal starters fall into several classifications. Click [HERE](#) for a printable list.

| CLASSIFICATION | Light (C4-C9) | Medium (C8-C13) | Heavy (C9-C20) |
|---|--|---|--|
| Gasoline - all brands | | | |
| Petroleum Distillates | Petroleum Ether, Some Cigarette Lighter Fluids, Camping Fuels, Some Naphthas | Some Charcoal Starters, Some Paint Thinners, Some Mineral Spirits, Some Lamp Oils | Kerosene, Diesel Fuel, Some Jet Fuels, Some Charcoal Starter, Some Lamp Oils |
| Isoparaffinic Products | Aviation Gas, Specialty Solvents Some Cigarette Lighter Fluids | Some (Charcoal Starters, Paint Thinners, Spot Removers, Insecticide Vehicles, Wood Treatments, Mineral Spirits) | Commercial Specialty Solvents |
| Aromatic Products | Some Paint & Varn Removers, Some Auto Parts Cleaners, Xylenes, & Toluene-Based Products. | Some Auto Parts Cleaners, Specialty Cleaning Solvents, Some Insecticide Vehicles, Some Fuel Additives | Some Insecticide Vehicles, Some Lamp Oils, Industrial Solvents |
| Naphthenic Paraffinic Products | Cyclohexane Based Solvents / Products | Some Charcoal Starters, Some Insecticide Vehicles, Some Lamp Oils, Some Carburetor Cleaners | Some Insecticide Vehicles, Some Lamp Oils, Industrial Solvents |
| Normal Alkane Products | Pentane, Hexane, Heptane, other solvents | Some Candle Oils, Some Copier Toners, Some Carbonless Forms. | Some Candle Oils, Carbonless Forms, Copier Toners |
| Oxygenated Products | Alcohols, Ketones. Some Lacquer Thinners, Some Fuel Additives | Some Lacquer Thinners, Some Industrial Solvents, Metal Cleaners, Gloss Removers | |
| Others Miscellaneous | Single Component Products, Some Blended Products Some Enamel Reducers, Some Aviation Fuels, Some Lacquer Thinners, Some Paint Removers | Terpene Based Products, Some Blended Products, Various Specialty Products, Some Fuel Additives | Some Blended Products, Various Specialty Products |

This information sheet is intended for investigative use only. If you have any further questions regarding report results or interpretation, please contact the laboratory at 614-752-7150 or toll free at 888-801-2752.