



**Ohio Division of State Fire Marshal Forensic Lab
Ignitable Liquid Classification Scheme**

Class	Light (C4-C9)	Medium (C8-C13)	Heavy (C9-C20)
Gasoline	All Brands, including E85		
Petroleum Distillates	Petroleum Ether Cigarette lighter Fluids Camping Fuls Naphtha	Charcoal Starters Paint Thinners, Mineral Sprits Dry Cleaning Solvents Automotive Parts Cleaners Spray Lubricants Lamp Oils, Kerosene, Insecticides Deck Sealents, Varnishes	Kerosene Diesel Fuel Charcoal Starters, Lamp Oils Aviation Fuels Insecticides Fuel Additives Automotive Parts Cleaners
Isoparaffinic Products	Aviation Gasolines Cigarette lighter Fluids Charcoal Starters	Charcoal Starters, Kerosene Paint Thinners, Mineral Sprits Copier Toners, Lamp Oils Solvent Cleaners, Gun Oils	Spot Cleaners Penetrating Oils Insecticides
Aromatic Products	Automotive Parts Cleaners Solvent Cleaners Xylenes, Lacquer Thinners Toluene-Based Products	Automotive Parts Cleaners Specialty Cleaning Solvents Insecticides Brush Cleaners	Insecticides Adhesives
Naphthenic-Paraffinic Products	Cyclohexane-Based Products	Charcoal Starters, Mineral Spirits Insecticides, Lamp Oils Automotive Parts Cleaners	Insecticides Lamp Oils
Normal Alkane Products		Candle Oils / Lamp Oils Copier Toners Wax Cleaners	Candle Oils / Lamp Oils Copier Toners Carbonless Forms
Oxygenated Solvents	Alcohols, Ketones Lacquer Thinners, Fuel Additives Surface Preparation Solvents Automotive Parts Cleaners Spray Adhesives Brush Cleaners	Metal Cleaners Gloss Removers Degreasers Furniture Strippers Cleaning Solvents Insecticides	Biodiesels Fuel Additives Floor Finishes Insecticides
Others-Miscellaneous	Single Component Products Enamel Reducers Lacquer Thinners Aviation Gasolines Racing Gasolines	Turpentine Products Mineral Spirits Fuel Additives Spray Lubricants Brush Cleaners Paint Thinners Citrus Cleaners Charcoal Starters	Lamp Oils Insecticides Citrus Cleaners Automotive Parts Cleaners Kerosene Fuel Additives

The table illustrates some of the commercial products that fall into the various ASTM 1618 ignitable liquid classes.

Note: this list is not all-inclusive. Classifications are by chemical composition and carbon range.

Please note that some products such as lamp oils and charcoal starters fall into several classes.

This information sheet is intended for investigative use only.

If you have any questions regarding the report results, please call the laboratory at 614-752-7150.