



# PRODUCT MATRIX

Roper Thermals has been manufacturing high purity, straight-chain alkanes, or paraffin oils and waxes, for over 34 years.

Chain Length	C-10	C-11	C-12	C-13	C-14	C-15	C-16	C-17	C-18
Name	Decane	Undecane	Dodecane	Tridecane	Tetradecane	Pentadecane	Hexadecane	Heptadecane	Octadecane
CAS #	124-18-5	1120-21-4	112-40-3	629-50-5	629-59-4	629-62-9	544-76-3	629-78-7	593-45-3
Highest Purity, %	≥ 99	≥ 99	≥ 99	≥ 99	≥ 99	≥ 99	≥ 99	≥ 99	≥ 99
Appearance	Clear Liquid	Clear Liquid	Clear Liquid	Clear Liquid	Clear Liquid	Clear Liquid	Clear Liquid	Clear Liquid	White Solid
Melt Point, °C	-30	-26	-10	-5	6	10	18	22	28
Available in multiple purities	YES	NO	YES	NO	YES	YES	YES	YES	YES
Packaging:									
1-gallon	✓	✓	✓	✓	✓	✓	✓	✓	✓
5-gallon	✓	✓	✓	✓	✓	✓	✓	✓	✓
55-gallon	✓	✓	✓	✓	✓	✓	✓	✓	✓
IBC Tote	✓		✓		✓		✓		✓
Bio-based options									

ALKANES C-10 to C-18

Chain Length	C-19	C-20	C-21	C-22	C-23	C-24	C-25	C-26	C-28	C-30
Name	Nonadecane	Eicosane	Heneicosane	Docosane	Tricosane	Tetracosane	Pentacosane	Hexacosane	Octacosane	triacontane
CAS #	629-92-5	112-95-8	629-94-7	629-97-0	638-67-5	646-31-1	629-99-2	630-01-3	630-02-4	638-68-6
Highest Purity, %	≥ 99	≥ 99	≥ 99	≥ 99	≥ 99	≥ 99	≥ 98	≥ 99	≥ 99	≥ 98
Appearance	White Solid	White Solid/Flake	White Solid/Flake	White Solid/Flake	White Flake	White Flake	White Solid/Flake	White Flake	White Flake	White Flake
Melt Point, °C	32	36	40	44	47	51	55	56	61	66
Available in multiple purities	NO	YES	NO	YES	NO	NO	NO	NO	NO	YES
Packaging:										
250-gram	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
1-kg	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5-kg	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5-gallon	✓	✓	✓	✓			✓			
55-gallon	✓	✓		✓						
Bio-based options										

ALKANES C-19 to C-30