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Hydrocarbons 95%

95%

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Haltermann Products, a wholly owned subsidiary of The Dow Chemical Company, offers the ideal combination of decades of experience in the field of multiphase fractional distillation and speciality products, coupled with the benefits of a global organisation.

A high level of customer orientation and flexibility ensure our customers receive skilled assistance and attention at all times.



Hydrocarbons 95% Our range of hydrocarbons 95% offers a wide selection of high-grade quality products, which meet the high requirements for components utilised in demanding chemical processes.

The hydrocarbons 95% product range comprises aliphatic and alicyclic hydrocarbons with a minimum purity of 95% and covers a chain length ranging from C5 to C16. For more far reaching,

process-induced quality requirements and also for products with chain lengths of n-C17 to n-C20, please refer to the hydrocarbons 99% product group.

Hydrocarbons 95% are used in numerous industrial processes. The applications range from propellant components for plastic foams and cosmetics, process adjuvants and reaction media in the pharmaceutical, agrochemical and fine chemistry industries,

to specific printing inks and latent heat storage.

Hydrocarbons 95% are excellently suited as high-purity solvents in crystallisation, extraction, HPLC and SMB chromatography processes. Special low-odour qualities have been specifically developed for cosmetic applications.



Hydrocarbons 95% Typical properties	CAS-No.	Colour ISO 6271	Density at 15 °C kg/m ³ ISO 12185	Distillation range at 101.3 kPa ASTM D 1078	Evaporation rate (Ether = 1) DIN 53170	Refractive index n _D ²⁰ DIN 51423-2	Aniline point °C ISO 2977	Aromatic content % m/m GC/UV- Spectroscopy	Non-volatile matter mg/100ml DIN 53172/ ASTM D 1353	Flash point °C ISO 2719/ ISO 13736	Vapour pressure kPa at 20 °C (1 kPa = 10mbar)	Kinematic viscosity mm ² /s (cSt) at 20 °C ISO 3104	Hydrocarbons 95% Typical properties
iso-Pentane	78-78-4	< 5	624	27-29	< 1.0	1.354	–	< 0.001	< 2	< – 20	56.9	0.35	iso-Pentane
n-Pentane	109-66-0	< 5	631	36-38	1.0	1.358	69	< 0.01	< 2	< – 20	40.9	0.39	n-Pentane
n-Hexane	110-54-3	< 5	665	68-70	1.5	1.375	68	< 0.01	< 2	< – 20	12.5	0.47	n-Hexane
n-Heptane	142-82-5	< 5	688	97-100	3.1	1.388	70	< 0.02	< 2	< – 4	3.9	0.58	n-Heptane
iso-Octane (2,2,4-Trimethylpentane)	540-84-1	< 5	696	98-101	2.9	1.392	79	< 0.01	< 2	– 10	3.7	0.68	iso-Octane (2,2,4-Trimethylpentane)
n-Octane	111-65-9	< 5	708	124-127	8.0	1.398	73	< 0.01	< 5	+ 12	1.3	0.74	n-Octane
n-Nonane	111-84-2	< 5	723	150-154	24.0	1.405	74	< 0.03	< 5	+ 30	0.38	0.96	n-Nonane
n-Decane	124-18-5	< 10	733	172-177	67.0	1.412	77	< 0.01	< 5	+ 45	0.16	1.12	n-Decane
n-Undecane	1120-21-4	< 10	744	193-198	–	1.417	80	< 0.1	< 5	+ 67	0.04	1.46	n-Undecane
n-Dodecane	112-40-3	< 10	753	214-219	–	1.422	85	< 0.1	< 5	+ 79	0.02	1.87	n-Dodecane
n-Tridecane	629-50-5	< 10	760	233-238	–	1.426	88	< 0.05	< 5	+ 95	0.01	2.34	n-Tridecane
n-Tetradecane	629-59-4	< 10	767	251-256	–	1.429	92	< 0.05	< 5	≥ + 100	0.003	2.85	n-Tetradecane
n-Pentadecane	629-62-9	< 10	772	268-273	–	1.432	94	< 0.05	< 5	> + 110	0.001	3.52	n-Pentadecane
n-Hexadecane	544-76-3	< 10	775	285-292	–	1.434	98	< 0.05	< 5	> + 125	0.0003	4.29	n-Hexadecane
Cyclopentane	287-92-3	< 5	748	48-50	1.4	1.405	18	< 0.001	< 2	< – 20	34.6	0.59	Cyclopentane
Methylcyclopentane*	96-37-7	< 5	752	70-73	1.7	1.409	35	< 0.01	< 2	< – 10	14.7	0.68	Methylcyclopentane*
Cyclohexane	110-82-7	< 5	783	79-82	2.5	1.426	31	< 0.015	< 2	– 18	10.3	1.26	Cyclohexane
Methylcyclohexane	108-87-2	< 5	773	99-102	3.7	1.423	46	< 0.05	< 2	< 0	4.8	0.95	Methylcyclohexane

Sulphur content < 5ppm
Purity > 95% m/m
*On request

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Petroleum Ethers Petroleum ethers are low-aromatic and low-boiling hydrocarbon fractions (25 – 80 °C) with narrowly defined boiling ranges. They are ideally suited for applications in which a quick evaporation of the solvent is required. Custom and low hexane options are also available.

The data below represents typical values. Specifications and Certificates of Analysis can be provided on request. All products are supplied in 200 litre drums and bulk. Other packages are available on request.

Haltermann Products is **ISO 9001 certified.**
Before using the referenced products, please refer to the relevant Safety Data Sheets or contact your Dow representative.

Petroleum Ethers Typical properties	CAS-No.	Colour ISO 6271	Density at 15 °C kg/m ³ ISO 12185	Distillation range at 101.3 kPa ISO 3405	Evaporation rate (Ether = 1) DIN 53170	Refractive index n _D ²⁰ DIN 51423-2	Flash point °C ISO 2719/ ISO 13736	Benzene content mg/kg (ppm) GC	n-Hexane % m/m GC	Aromatic content % m/m GC/UV- Spectroscopy	Aniline point °C ISO 2977	Non-volatile matter mg/100ml DIN 53172/ ASTM D 1353	Petroleum Ethers Typical properties
Petroleum Ether 25/40	109-66-0	< 5	628	25 – 40	< 1.0	1.357	< – 40	< 10	< 1	–	–	< 2	Petroleum Ether 25/40
Petroleum Ether 30/40	109-66-0	< 5	630	30 – 40	< 1.0	1.358	< – 40	< 10	< 1	< 0.01	–	< 2	Petroleum Ether 30/40
Petroleum Ether 30/50	64742-49-0	< 5	635	30 – 50	1.0	1.359	< – 40	< 30	< 5	< 0.02	–	< 2	Petroleum Ether 30/50
Petroleum Ether 40/60	64742-49-0	< 5	650	40 – 60	1.4	1.367	< – 30	< 50	< 5	< 0.01	–	< 2	Petroleum Ether 40/60
Petroleum Ether 50/70	64742-49-0	< 5	664	50 – 70	1.6	1.375	< – 30	< 100	35	< 0.01	–	< 2	Petroleum Ether 50/70
Petroleum Ether 40/80	64742-49-0	< 5	660	40 – 80	1.6	1.374	< – 30	< 100	< 5	0.01	–	< 2	Petroleum Ether 40/80
FAM-Standard-Naphtha DIN 51635	64742-49-0	< 5	698	65 – 95	2.2	1.390	< – 20	0.1	< 5	–	60	< 1	FAM-Standard-Naphtha DIN 51635
Petroleum Ether 60/80 free from aromatics	64742-49-0	< 5	677	60 – 80	1.8	1.387	< – 20	< 10	approx. 50	–	–	< 2	Petroleum Ether 60/80 free from aromatics
Petroleum Ether DAB 10 (max. 2% n-Hexane)	64742-49-0	< 5	650	min. 75% 40 – 60	1.5	1.368	< – 40	10	< 2	–	–	< 1	Petroleum Ether DAB 10 (max. 2% n-Hexane)
Petroleum Ether for denaturation	64742-49-0	< 5	678	at 55°: 20% max. at 75°: 90% min.	1.6	1.373	< – 30	–	approx. 30	< 0.15	–	< 1	Petroleum Ether for denaturation

Sulphur content < 5ppm

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