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99.99%
Hydrocarbons 99%

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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 ensures that our customers from the pharmaceutical, agrochemical and fine chemistry industries receive skilled assistance at all times.





Hydrocarbons 99% Our range of hydrocarbons 99% offers a wide selection of high-grade quality products, which meet the highest requirements. The physical properties are specified very precisely with close correspondence to the literature values of these products.

The hydrocarbons 99% product line comprises aliphatic, alicyclic and aromatic hydrocarbons with a minimum purity of 99% and covers a chain length range of C5 to C17. Products in the range of n-C18 to n-C20 are available on request. Qualities with minimum purities of 99.75% are commercially available. On request, additional customer-specific quality parameters can be agreed upon to ensure optimum performance in the product's application.

Hydrocarbons 99% are used as laboratory reagents and in industrial processes, where their high purities combined with their physical properties offer particular benefits. They are excellently suited as process adjuvants in crystallisation, extraction, HPLC and SMB chromatography processes, as reaction media or in specific applications as latent heat storage.

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.

Hydrocarbons 99% Typical properties	CAS-No.	Molecular weight	Density at 20 °C kg/m ³ ISO 12185	Boiling point at 101.3 kPa (1013 mbar) °C	Solidification point °C	Refractive index n _D ²⁰ DIN 51423-2	Heat of fusion Hf (J/g)	Flash point °C ISO 13736/ ISO 2719	Specific heat cp kJ/kg.K at 20 °C (1 kJ = 0.239 kcal)	Heat of vaporization ΔH kJ/kg (1 kJ = 0.239 kcal)	Vapour pressure in kPa (1 kPa = 10 mbar)		Surface tension at 20 °C mN/m (dyn/cm)	Kinematic viscosity, mm ² /s (cSt) at 20 °C ISO 3104	Hydrocarbons 99% Typical properties
											25 °C	100 °C			
iso-Pentane	78-78-4	72.1	620	27.8	-160.0	1.3540	-	< -35	2.258	339.0	91.74	-	15.0	0.36	iso-Pentane
n-Pentane	109-66-0	72.1	626	36.0	-131.0	1.3575	-	< -35	2.372	357.5	68.39	-	16.0	0.38	n-Pentane
2-Methylpentane	107-83-5	86.2	654	60.3	-154.0	1.3715	-	< -35	2.221	322.8	27.88	-	17.4	0.47	2-Methylpentane
3-Methylpentane	96-14-0	86.2	664	63.3	-118.0	1.3765	-	-31	2.191	326.1	24.88	-	18.1	0.48	3-Methylpentane
n-Hexane	110-54-3	86.2	660	68.7	-95.3	1.3750	-	-23	2.263	335.1	20.24	-	18.4	0.47	n-Hexane
n-Heptane	142-82-5	100.2	684	98.4	-90.6	1.3875	-	-1	2.208	316.5	6.26	-	19.3	0.61	n-Heptane
iso-Octane (2,2,4-Trimethylpentane)	540-84-1	114.2	692	99.3	-71.8	1.3915	-	-12	2.074	271.6	6.04	-	18.8	0.70	iso-Octane (2,2,4-Trimethylpentane)
n-Octane	111-65-9	114.2	705	125.7	-56.8	1.3975	-	+12	2.196	301.1	2.00	-	21.8	0.78	n-Octane
n-Nonane*	111-84-2	128.3	718	150.8	-53.5	1.4054	-	+31	2.108	286.5	0.66	-	22.9	1.00	n-Nonane*
n-Decane	124-18-5	142.3	730	174.1	-29.7	1.4120	-	+49	2.103	276.3	0.23	-	23.9	1.27	n-Decane
n-Undecane*	1120-21-4	156.3	740	195.9	-26.0	1.4172	-	+68	2.099	265.9	-	4.66	24.7	1.61	n-Undecane*
n-Dodecane	112-40-3	170.3	749	216.3	-12.0	1.4216	-	+86	2.095	256.7	-	2.33	25.4	2.01	n-Dodecane
n-Tridecane	629-50-5	184.4	755	235.4	-5.0	1.4256	-	> +100	2.091	247.5	-	1.48	26.1	2.49	n-Tridecane
n-Tetradecane	629-59-4	198.4	763	253.6	+5.8	1.4289	230.3	> +100	2.082	240.8	-	0.49	26.6	3.07	n-Tetradecane
n-Pentadecane	629-62-9	212.4	769	270.6	+9.7	1.4319	162.4	> +100	2.082	232.8	-	0.24	27.1	3.74	n-Pentadecane
n-Hexadecane	544-76-3	226.4	773	286.8	+18.0	1.4345	234.1	> +100	2.078	227.4	-	0.12	27.6	4.51	n-Hexadecane
n-Heptadecane	629-78-7	240.5	778 ¹	301.8	+22.0	1.4369 ¹	163.8	> +100	2.078	221.1	-	0.06	28.0 ¹	3.47/40 °C	n-Heptadecane
n-Octadecane	593-45-3	254.5	782 ¹	316.1	+28.0	1.4390 ¹	251.5	> +100	2.074	215.6	-	0.03	28.4 ¹	4.03/40 °C	n-Octadecane
n-Nonadecane	629-92-5	268.5	786 ¹	329.7	+32.1	1.4409 ¹	170.7	> +100	2.074	210.6	-	0.02	28.7 ¹	4.65/40 °C	n-Nonadecane
n-Eicosane	112-95-8	282.5	789 ¹	342.7	+36.8	1.4426 ¹	217.3	> +100	2.072	204.3	-	0.01	29.0 ¹	5.36/40 °C	n-Eicosane
Cyclopentane*	287-92-3	70.1	745	49.3	-93.9	1.4065	-	< -35	1.873	389.2	42.30	-	21.8	0.59	Cyclopentane*
Methylcyclopentane*	96-37-7	84.2	749	71.2	-142.5	1.4097	-	< -10	1.880	344.1	18.33	-	21.6	0.68	Methylcyclopentane*
Cyclohexane	110-82-7	84.2	779	80.7	+6.6	1.4262	-	-18	1.810	357.6	13.01	-	24.3	1.26	Cyclohexane
Methylcyclohexane	108-87-2	98.2	769	100.9	-126.2	1.4231	-	-4	1.875	323.2	6.18	-	23.8	0.95	Methylcyclohexane
Toluene	108-88-3	92.1	867	110.6	-95.0	1.4969	-	+6	1.675	363.4	3.79	-	28.5	0.68	Toluene
p-Xylene	106-42-3	106.2	861	138.4	+13.3	1.4958	-	+25	1.661	340.0	1.18	-	28.3	0.75	p-Xylene
m-Xylene	108-38-3	106.2	864	139.1	-47.9	1.4972	-	+25	1.619	343.3	1.11	-	28.6	0.71	m-Xylene
o-Xylene	95-47-6	106.2	880	144.4	-25.2	1.5054	-	+30	1.720	347.1	0.89	-	30.0	0.92	o-Xylene

Purity > 99% m/m
*On request

Non-Volatiles,
mg/100 ml: < 1

¹ For the chilled fluid
below solidification point

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below solidification point

Reference data

¹ For the chilled fluid
below solidification point

Purity > 99% m/m
*On request