

The background of the entire page is a close-up, macro photograph of numerous blue-tinted bubbles. The bubbles vary in size, with some being very large and prominent in the foreground, and others smaller and more numerous in the background. They are all clustered together, creating a dense, textured appearance. The lighting is soft, highlighting the spherical shape and the thin, iridescent edges of the bubbles.

Hydrocarbons 99 %

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 C16. 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 above 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.

Hydrocarbons 99 %	CAS-No.	Molecular weight	Density	Boiling Point	Solidification point	Refractive index
Typical Properties			at 20°C kg/m ³ ISO 12185	at 101.3 kPa (1013 mbar) °C	°C	n _D ²⁰ DIN 51423-2
iso-Pentane	78-78-4	72.1	620	27.8	-160.0	1.3540
n-Pentane	109-66-0	72.1	626	36.0	-131.0	1.3575
n-Hexane	110-54-3	86.2	660	68.7	-95.3	1.3750
n-Heptane	142-82-5	100.2	684	98.4	-90.6	1.3875
iso-Octane (2,2,4-Trimethylpentane)	540-84-1	114.2	692	99.3	-71.8	1.3915
n-Octane	111-65-9	114.2	705	125.7	-56.8	1.3975
n-Nonane	111-84-2	128.3	718	150.8	-53.5	1.4054
n-Decane	124-18-5	142.3	730	174.1	-29.7	1.4120
n-Undecane	1120-21-4	156.3	740	195.9	-26.0	1.4172
n-Dodecane	112-40-3	170.3	749	216.3	-12.0	1.4216
n-Hexadecane	544-76-3	226.4	773	286.8	+18.0	1.4345
Methylcyclopentane*	96-37-7	84.2	749	71.2	-142.5	1.4097
Cyclohexane	110-82-7	84.2	779	80.7	+6.6	1.4262
Methylcyclohexane	108-87-2	98.2	769	100.9	-126.2	1.4231

Purity > 99% m/m • *On request

Products and Markets

Haltermann Carless offers an ideal combination of decades of experience in the field of multiphase fractional distillation and production. A high level of customer orientation and flexibility ensures our customers receive skilled assistance and attention at all times. A high level of consistent quality is

the hallmark of our products. Haltermann Carless is ISO 9001 and ISO 14001 certified. Before using the referenced products, please refer to the relevant Safety Data Sheets or contact your Haltermann Carless representative.

Heat of fusion	Flash point	Specific heat	Heat of vaporization	Vapour pressure		Surface tension	Kinematic viscosity
Hf (J/g)	°C ISO 13736/ISO 2719	cp kJ/kg.K at 20°C (1kj = 0.239 kcal)	ΔH kJ/kg (1 kJ = 0.239 kcal)	in kPa (1kPa = 10mbar)		at 20°C mN/m (dyn/cm)	mm ² /s (cSt) at 20°C ISO 3104
				25°C	100°C		
-	< -35	2.258	339.0	91.74	-	15.0	0.36
-	< -35	2.372	357.5	68.39	-	16.0	0.38
-	-23	2.263	335.1	20.24	-	18.4	0.47
-	-1	2.208	316.5	6.26	-	19.3	0.61
-	-12	2.074	271.6	6.04	-	18.8	0.70
-	+12	2.196	301.1	2.00	-	21.8	0.78
-	+31	2.108	286.5	0.66	-	22.9	1.00
-	49	2.103	276.3	0.23	-	23.9	1.27
-	+68	2.099	265.9	-	4.66	24.7	1.61
-	+86	2.095	256.7	-	2.33	25.4	2.01
234.1	> +100	2.078	227.4	-	0.12	27.6	4.51
-	< -10	1.880	344.1	18.33	-	21.6	0.68
-	-18	1.810	357.6	13.01	-	24.3	1.26
-	-4	1.875	323.2	6.18	-	23.8	0.95

Sales Contact

**Haltermann Carless
Deutschland GmbH**

Schlengendeich 17
21107 Hamburg
Deutschland
Phone: +49 40 33318-0
de@h-c-s-group.com

**Haltermann Carless
UK Ltd.**

Grove House
Guildford Road
Leatherhead
Surrey KT22 9DF
United Kingdom
Phone: +44 1372 380 516
uk@h-c-s-group.com

**Haltermann Carless
Japan G.K.**

Suite 402
Bldg., 14 Nihon Odori
Naka-ku, Yokohama
231-0021, Kanagawa
Japan
Phone: +81 45 228 7398
japan@h-c-s-group.com

**Haltermann Carless
France S.A.S.**

Zone d'Activités de la Baudrière n°1
27520 Bourghtheroulde
France
Phone: +33 2 32 13 14 50
france@h-c-s-group.com

**Haltermann Carless
US Inc.**

901 Wilshire Drive
Suite 570
Troy, MI 48084
United States
Phone: +1 248 422 6548
us@h-c-s-group.com

PASSION PRAGMATISM PARTNERSHIP

www.haltermann-carless.com