BASF
We create chemistry

Alcohols, Glycol Ethers & Acetates from BASF

Your reliable partner to shape a sustainable future.

Product Name	CAS-Number	Chemical name [Formula]	Paints & Coatings	Pharmaceuticals [10]	Detergents	Lubricants	Textile & Leather Chemicals	Crop Protection	As an Intermediate Chemical	Classic	Low-PCF [1, 2, 3, 4, 5]	Zero-PCF [1, 2, 3, 4, 5]	Bio-based [6]	Cycled [1, 7]	Made using Green Power [8, 9]
Alcohols															
n-Butanol	71-36-3	n-Butyl alcohol [$C_4H_{10}O$]	x						x	x	x	x		x	x
2-Ethylhexanol	104-76-7	2-Ethylhexan-1-ol, 2-Ethyl-1-hexanol, Isooctanol [$C_8H_{18}O$]	x		x	x		x	x	x	x	x		x	x
Isobutanol	78-83-1	i-Butanol, Isobutyl alcohol, 2-Methyl-1-propanol [$C_4H_{10}O$]	x						x	x	x	x		x	x
C13-C15 Alcohol	85566-16-1	C13-C15 Alcohols, linear and branched [$C_{13}H_{27}OH$ - $C_{15}H_{31}OH$]	x		x					x	x			x	x
Isotridecanol N	27458-92-0	Mixture of primary tridecyl alcohol isomers [$C_{13}H_{27}OH$]	x		x	x			x	x	x			x	x
Pentanol Mixture	71-41-0 137-32-6 123-51-3	Pentanol, branched and linear [$CH_3(CH_2)_4OH$ $CH_3CH_2CH(CH_3)$ CH_2OH]			x			x	x	x	x			x	x
n-Pentanol	71-41-0	n-Pentanol [$CH_3(CH_2)_4OH$]	x	x		x		x	x	x	x			x	x
n-Propanol	71-23-8	n-Propyl alcohol [$CH_3(CH_2)_2OH$]	x	x	x			x		x	x	x		x	x
Propylheptanol	10042-59-8	2-Propylheptane-1-ol, 2-Propyl-1-heptanol [$C_{10}H_{22}OH$]	x		x	x			x	x	x			x	x
3-Methyl-1-Butanol	123-51-3	3-Methylbutanol [$CH_3C(CH_3)HCH_2CH_2OH$]	x	x		x		x	x	x	x			x	x
Aldehydes															
n-Butyraldehyde	123-72-8	Butyraldehyde, Butanal [C_4H_8O]		x				x	x	x	x	x		x	x
Isobutyraldehyde	78-84-2	i-Butyraldehyde, 2-Methylpropanal [C_4H_8O]		x				x	x	x	x	x		x	x
Propionaldehyde	123-38-6	n-Propanal, Propionaldehyde [CH_3CH_2CHO]		x			x	x	x	x	x	x		x	x

[1] According to the mass balance approach details under: https://www.basf.com/global/en/who-we-are/sustainability/our-contributions-to-enabling-the-green-transformation/circular-economy/circular-feedstocks/mass-balance/the-biomass-balance-approach
[2] Considering “cradle-to-gate” approach – details under: https://www.basf.com/global/en/who-we-are/sustainability/our-contributions-to-enabling-the-green-transformation/carbon-footprint/product-carbon-footprint
[3] Learn how BASF calculates products carbon footprint: https://www.basf.com/global/en/who-we-are/sustainability/our-contributions-to-enabling-the-green-transformation/carbon-footprint/product-carbon-footprint
[4] Considering “biogenic uptake” where plants remove CO2 from the atmosphere through photosynthesis. The raw materials used in BASF’s biomass balance approach are plant-based and the biogenic uptake is accounted for in the calculation of the cradle-to-gate product carbon footprint.
[5] Compared to the BASF “classic” version which may vary according to the production site and selected feedstocks (e.g., Bionaptha or Biomethane).
[6] According to the method ASTM D6866-18 where biogenic carbon is analyzed.
[7] In the production of Ccycled® products, conventional fossil raw materials required to manufacture BASF products are replaced with recycled feedstock from the chemical recycling of plastic waste along BASF’s integrated production chain. The corresponding share of recycled feedstock, e.g., benzene, is attributed to the specific Ccycled® product via a certified mass balance approach. BASF sites and Ccycled® products are third-party certified according to internationally recognized certification schemes like REDcert2 and ISCC PLUS and meet the definitions by ISO 22095:2020. Learn how plastic waste and end-of life tires end up in your product: https://plastics-rubber.basf.com/global/en/plastics-hub/chemcycling
[8] Green power is the power generated by renewable sources (e.g., wind parks, solar farms) purchased by BASF in compliance with GHG Protocol and attributed to targeted products.
[9] Learn more about BASF green power initiatives at: https://www.basf.com/global/en/who-we-are/organization/group-companies/BASF_Renewable-Energy-GmbH .
[10] Our products are manufactured according to ISO 9001 and were designed for the use in further chemical syntheses or industrial applications. The quality of the products at the time of passing of risk is determined by BASF’s product specification. From our side, the products are not intended to be used for sensitive applications (e. g. cosmetics, personal care, toys, food contact). Therefore, we have not evaluated whether the existing safety data support the use in these applications. It is solely the responsibility of the customer to ensure that any proprietary rights and legislation are observed and required risk assessments are carried out. In particular, the customer is not relieved from carrying out its own investigations and making tests to determine and verify the suitability of the products for a particular purpose prior to use. This includes all required risk assessments and according measures concerning the use of the products in the intended applications.

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