

Dibutylether

Specification

Minimum assay (GC- WACKER):	99.3%
Water (Karl Fischer)	max. 500 ppm
Acid content (litmus test):	neutral
Hazen number (ISO 6271):	max. 10
Dibutylperoxide (Titration):	max. 0.01%

General product description

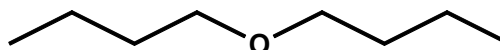
Dibutylether is a colourless, neutral, readily flammable liquid of low volatility with a characteristic odour. It is insoluble in water, but mixable with most common organic solvents.

Molecular formula:	C ₈ H ₁₈ O
Cas-No.:	142-96-1
Mol.-weight:	130.22

Application

- Solvent for Grignard syntheses
 - Technical solvent for fats, oils, organic acids, alkaloids, natural and synthetic resins
- Extractant
- Constituent of catalysts for (co-) polymerisations
 - For manufacturing of pesticides (e.g. Cyhexatin)

Chemical structure



Storage

Dibutylether has a shelf life of at least 12 months, if the product stored in the tightly closed original containers in a dry and cool place.

The product should also be protected from heat, light and air because of the danger of peroxide formation. If the product is stored in tanks, it is recommended to fill the space above the liquid with an inert gas such as nitrogen. Since dibutyl ether tends to become electrostatically charged, it is absolutely essential to earth persons, funnels and containers when the product is being transferred. Only conductive equipment should be used.

If the material is kept beyond the shelf life, it is not necessarily unusable, but a quality check should be performed on the properties relevant to the application.

Package

Ridged drums 216 l (155 kg)
Tank-containers

Registration (selected countries / regions)

Product data

n-Butanol:	< 0.4%	*)
Refractive index at 20°C:	1.398-1.399	*)
Melting point:	-92,5°C	*)
Boiling point (1013 hPa):	142,4°C	*)
Boiling point (32 hPa):	47,5°C	*)
Vapour pressure at 20°C:	6,4 hPa	*)
Solubility in water (20°C):	0,03 %	*)
Water absorption (20°C):	0,19 %	*)

*) These figures are only intended as a guide and should not be used in preparing specifications.

Europe (EINECS-No. 205-575-3)
USA (TSCA)
Australia (AICS)
Canada (DSL)
Japan (MITI-No. 2-363)
South-Korea (ECL)
Switzerland (BAGT G-1322)

Safety information

Detailed safety information is contained in each material data safety sheet, which can be obtained from our sales offices.

The data presented in this leaflet are in accordance with the present state of our knowledge, but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the products for a particular purpose.

The management system has been certified according to DIN EN ISO 9001 and DIN EN ISO 14001

WACKER

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Version 7.00 from 15-04-05 replaces
Version 6.00 from 08-04-03

For technical, quality, or product safety questions, please contact:

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