



Specialized in chemicals

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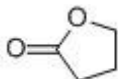
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Technical Data Sheet

Basic information

Chemical name	Gamma-Butyrolactone	Formula	C4H6O2
Synonyms	Butyrolactone; GBL; γ -BLO	Chemical structure	
CAS.No.	96-48-0		
EINECS No.	202-509-5		
Molecular weight	86.09		

Physical properties

Appearance	Colorless transparent liquid
Density, 20°C, g/cm ³	1,13
Boiling point, °C	204~205
Melting point, °C	-45
Flash point, °C	98
Refractive index	1.436
Solubility	Can be miscible with water and the general organic solvent . Slightly soluble in aliphatic hydrocarbons.

Specification

Items	Electronic Grade	Technical Grade
Assay, %	≥ 99.9	≥ 99.5
Water, Wt.-%	≤ 0.05	≤ 0.05
Colour, APHA	≤ 10	≤ 20
Cu, Wt.-ppb	≤ 50	/
Fe, Wt.- ppb	≤ 50	/
Zn, Wt.- ppb	≤ 50	/
K, Wt.- ppb	≤ 50	/
Na, Wt.- ppb	≤ 50	/
Li, Wt.- ppb	≤ 50	/
Be, Wt.- ppb	≤ 50	/
Ca, Wt.- ppb	≤ 50	/
Cr, Wt.- ppb	≤ 50	/
Mn, Wt.- ppb	≤ 50	/
Co, Wt.- ppb	≤ 50	/
Ni, Wt.- ppb	≤ 50	/

Application

Pyrrolidone	Raw material for synthesizing α -pyrrolidone, N-methylpyrrolidone, vinyl pyrrolidone, acetyl- γ -butyrolactone, cyclopropylamine.
Pesticide	Synthesizing pesticides, herbicides, ciprofloxacin, vitamin B1, chlorophyll and other intermediates. Also used in the synthesis of chlorophenoxy butyric acid herbicides,

plant growth regulator 3-Indolebutyric acid.

Petrochemical

Used as a primer for butadiene, aromatics, and higher greases

Fiber

Used as acrylonitrile fiber spinning solvent, wool, nylon, acrylonitrile and other fiber dyeing auxiliaries

Electronic

As a proton type of strong solvent, can dissolve most of the low molecular polymer and part of the polymer, can be used as a battery electrolyte to replace the strong corrosive acid.

Other

Flavors and fragrances

Other

Ink Solution

Package

- 200kg/steel drum,16mt(20pallet)/20'ft
- 1100kg/IBC,22mt/20'ft
- 22mt/ISO Tank



Safety on transportation

It belongs to common goods, always refer to MSDS.

Storage and handling

Keep tightly closed, store in a cool dry place.

Please refer to the Materials Safety Data Sheet (MSDS) for the handling methods.

The information above is believed to be accurate and represents the best information currently available to us. However, In no event shall we be liable for any claims, losses, or damages of any third party resulting from its use.

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