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Y-Butyrolactone (CAS 96-48-0) Market Research Report 2024

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Abstracts

Y-Butyrolactone (CAS 96-48-0) Market Research Report 2024 presents comprehensive data on Y-Butyrolactone markets globally and regionally (Europe, Asia, North America etc.)

The report includes Y-Butyrolactone description, covers its application areas and related patterns. It overviews Y-Butyrolactone market, names Y-Butyrolactone producers and indicates its suppliers.

Besides, the report provides Y-Butyrolactone prices in regional markets.

In addition to the above the report determines Y-Butyrolactone consumers in the market.

BAC Reports offers its clients in-depth market research of chemical industry products on the global and regional markets (North & Latin America, Asia Pacific, European Union, Russia and CIS).

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Y-Butyrolactone (CAS 96-48-0) Market Research Report 2024 can feature:

market condition and estimations, market forecast

chemical product ranges, trademarks, analogous products, application areas

regional and global producers, consumers and traders (including contact details).

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*Please note that Y-Butyrolactone (CAS 96-48-0) Market Research Report 2024 is a half ready publication and contents are subject to change. It only requires updating with the help of new data that are constantly retrieved from Publisher's databases and other sources. This updating process takes 5-7 business days after order is placed. Thus, our clients always obtain a revised and updated version of each report. Please also note that we do not charge for such an updating procedure. BAC Reports has information for more than 25,000 different chemicals available but it is impossible to have all reports updated immediately. That is why it takes 5-7 days to update a report after an order is received.

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About

Product Name:	Y-Butyrolactone
Synonyms:	
	gamma-Butyrolactone
	1,2-Butanolide
	1,4-Butanolide
	1,4-Lactone
	Butyric acid lactone
	gamma-Lactone
	Oxolan-2-one
	GAMMA-BUTYROLACTONE
	Gamma Butyrolactone
	Gamma-butyrolactone (gamma-butyrolactone(GBL))
	4-Hydroxybutyric acid ?-lactone
	Butyrolactone
	Dihydro-2(3H)-furanone
	?-Butalactone
	?-Butyrolactone
CAS#:	96-48-0
Formula:	$C_4H_6O_2$
Molecular Weight:	86.09
Appearance:	Oily liquid. Pleasant odor.

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Usage:	Intermediate in synth of polyvinylpyrrolidone, dl-methionine, piperidine, phenylbutyric acid, thiobutyric acids, solvent for polyacrylonitrile, cellulose acetate, methyl methacrylate polymers, polystyrene, constituent of paintermediate removers, textile aids, drilling oils.

Gamma-butyrolactone (4-Butyrolactone, Butyrylactone, Butyryl lactone, 4-Butanolide, 1,2-Butanolide, 1,4-Butanolide, 2-Oxolanone, gamma-BL, 4-Deoxytetronic acid, Butyric acid lactone) is a lactone with the molecular formula $C_4H_6O_2$ and molecular weight of 86.08. Gamma-butyrolactone exists as a colorless oily liquid with a pleasant, faint odor. The boiling point of the lactone is 204 °C at 760 mm Hg. The product is miscible with water, alcohols, ketones, ethers and aromatic hydrocarbons. Gamma-butyrolactone dissolves in acetone, benzene, diethyl ether, and ethanol.

Gamma-butyrolactone can be produced from gamma-hydroxybutyric acid by removal of water or by distillation from such a mixture. It also may be obtained by oxidation of tetrahydrofuran (THF). Besides, gamma-butyrolactone can be produced via hydrogenating maleic anhydride and by the Reppe process.

Gamma-butyrolactone possesses a great many industrial as well as commercial uses. Gamma-butyrolactone is utilized in the production of herbicides, and in the processing of the vitamins in the pharmaceutical industry. One other use of the product is an intermediate in the manufacturing of pyrrolidones. Furthermore, gamma-butyrolactone is widely utilized as a solvent in pesticides, photochemical etching, electrolytes of small batteries or capacitors, viscosity modifiers in polyurethanes, surface etching of metal coated plastics, organic paint disbursements for water soluble inks, pH regulators in the dyeing of wool and polyamide fibers, foundry chemistry as a catalyst during curing, and in curing agents in many coating systems based on urethanes and amides. Gamma-butyrolactone is very useful as a solvent in the petroleum industry. Moreover, the product is effective as a solvent for polyacrylonitrile, as a surface treatment and as an intermediate for dyes in the textile industry.

Gamma-butyrolactone may cause acute eye irritation. High inhaled or swallowed doses of the product may entail behavioral changes, increased activity, shaking, tremors, fatigue, dizziness, vomiting and possibly loss of concentration, with collapse. Cases of over-exposure may cause coma and even death.

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Gamma-Butyrolactone market is covered in the study Gamma Butyrolactone (CAS 96-48-0) Market Research Report 2013. The report encompasses proper description of the product, unveils application areas, and briefly summarizes patents in the sphere. It overlooks gamma-butyrolactone market situation, names manufacturers, suppliers as well as users. The report also provides current gamma-butyrolactone prices in the market.

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