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## Aldrich catalog handbook of fine chemicals pdf

Chemical, life science and biotechnology company This article relies too much on references to primary sources. Please improve this by adding secondary or tertiary sources. (September 2013) (Learn how and when to remove this template message) Merck / MilliporeSigma[1]Typesub­subsidiary of Merck KGaATraded asNASDAQ: SIALIndustrychemistry and biotechnologyFoundedAugust 1975HeadquartersMunich, Germany[2]Key peopleMatthias Heinz­el (Life Science CEO)Productslife science technologies and specialty chemicalsRevenueEUR€ 6.86 billion (2020)[3]Number of employeesmore than 20,000ParentMerck KGaA (100%)[4]Websitewww.sigmaaldrich.com MilliporeSigma is a German chemical, life science and biotechnology company, before 2014 known as Sigma-Aldrich, owned by Merck KGaA. Created by the 1975 merger of Sigma Chemical Company and Aldrich Chemical Company, Sigma-Aldrich since grew through various acquisitions until it had over 9,600 employees and was listed on the Fortune 1000 at the time of its acquisition by Merck. The company is headquartered in St. Louis and has operations in approximately 40 countries.[5] In September 2014, the German company Merck KGaA announced that it would be acquiring Sigma-Aldrich for \$17 billion.[6] The acquisition was completed in November 2015 and Sigma-Aldrich became a subsidiary of Merck KGaA. The company is currently a part of Merck's life science business and in combination with Merck's earlier acquired Millipore, operates as MilliporeSigma.[7][8] History Sigma Chemical Company of St. Louis and Aldrich Chemical Company of Milwaukee were both American specialty chemical companies when they merged in August 1975. The company grew throughout the 1980s and 1990s, with significant expansion in facilities, acquisitions and diversification into new market sectors.[citation needed] Early history 1935 – Midwest Consultants was founded in St Louis by the Fischer brothers. 1946 – Sigma was formed from Midwest Consultants and manufactured just adenosine triphosphate. They were the first to manufacture pure ATP.[9] 1972 – Sigma's IPO[10] 1951 – Aldrich founded in Milwaukee by Alfred Bader and Jack Eisendrath and manufactured just 1-methyl-3-nitro-1-nitrosoguanidine. 1966 – Aldrich's IPO[11] 1972 – Subsidiary Aldrich-Boranes launched to manufacture hydroboration products 1975 – Merger of Sigma Chemical and Aldrich Chemical to created Sigma-Aldrich.[12] Their first year earned \$43 million in sales.[13] 1999 – Sigma-Aldrich reaches \$1 billion in sales 2005 – Announced membership in The RNAi Consortium[14] 2014 – Merck KGaA announced that it would purchase Sigma-Aldrich for approx. \$17 billion (€13.1 billion).[15][16] November 3, 2014 – Sigma-Aldrich filed a definitive proxy statement with the U.S. Securities and Exchange Commission to hold a special investors meeting regarding approval for the sale to Merck KGaA.[17] Acquisitions 1970s 1978 – Makor Chemicals 1980s 1984 – Pathfinder 1986 – Bio Yeda, Bristol Organics 1989 – Fluka Chemie AG (Swiss company founded in the 1950s) purchased for \$39 million. 1990s 1993 – Supelco, Inc. acquired to enter the chromatography market 1994 – LabKemi AB 1997 – Research Biochemicals International, Riedel-de-Haen, Techcares Systems, Carbolabs, YA Kemia 1998 – Genosys 2000s 2000 – First Medical Inc., Amelung GmbH, ARK Scientific 2001 – ISOTEC (produces stable isotopes used in basic research and medical diagnostics)[18] 2004 – Ultrafine (a supplier of contract manufacturing services for drug development), Tetricons (a producer of high potency and cytotoxic active pharmaceutical ingredients)[19] 2005 – JRH Biosciences,[20] an industrial supplier of cell culture products for the pharmaceutical and biotechnology industries; Proligo Group, a global supplier of genomics research tools 2006 – Beijing Superior Chemicals,[21] Iropharm, Pharmorphix,[22] Advanced Separation Technologies[23] (manufacturer of products for chiral chromatography) 2007 – Epichem[24] acquired to expand capabilities in materials sciences and semiconductor markets; Molecular Medicine BioServices acquired to provide large-scale viral manufacturing capabilities; announced alliance with Sangamo BioSciences to develop zinc finger-based laboratory research reagents 2009 – ChemNavigator 2010 – Cerilliant Corporation, ACE Animals 2011 – Resource Technology Corp, Vetec Quimica Fina 2012 – Research Organics Inc., BioReliance (a toxicology and veterinary diagnostics company);[25] BioReliance had previously been acquired by Invitrogen and subsequently sold to Avista Capital Partners.[26] 2014 – Cell Marque[27] 2015 – Combined with EMD Millipore to make MilliporeSigma.[citation needed] Key numbers Key numbers for Sigma-Aldrich.[28] Revenues:[29] \$2.79 billion (2014) Products: 100,000 chemical products (46,000 manufactured) 30,000 laboratory equipment products Customers: Approximately one million individual customers worldwide 88,000 accounts Geographies (% of 2008 sales): United States 35% Europe 43% Canada, Asia Pacific, Latin America 22% Subsidiaries This section does not cite any sources. Please help improve this section by adding citations to reliable sources. Unsourced material may be challenged and removed. (November 2014) (Learn how and when to remove this template message) The Aldrich Logo. Aldrich is a supplier in the research and fine chemicals market. Aldrich provides organic and inorganic chemicals, building blocks, reagents, advanced materials and stable isotopes for chemical synthesis, medicinal chemistry and materials science. Aldrich's chemicals catalog, the "Aldrich Catalog and Handbook" is often used as a handbook due to the inclusion of structures, physical data, and literature references. The Sigma Logo. Sigma is the Sigma-Aldrich's main biochemical supplier, with offerings including antibiotics, buffers, carbohydrates, enzymes, forensic tools, hematology and histology, nucleotides, proteins, peptides, amino acids and their derivatives. The Sigma RBI Logo. Sigma RBI produces specialized products for use in the field of cell signaling and neuroscience. Their offerings range from standard biochemical reagents to specialized research tools, including ligands for receptors and ion channels, enzyme inhibitors, phosphospecific antibodies, key signal transduction enzymes, and assay kits for cell signaling. The ISOTEC Logo. ISOTEC provides isotopically labeled products for protein structure determination, peptide synthesis, proteomics, metabolic research, magnetic resonance imaging, nuclear magnetic resonance, breath test substrates, agriculture, as well as gas and gas mixes. The Riedel-de Haën Logo. Riedel-de Haën was incorporated with Sigma-Aldrich in 1999 and manufactures reagents and standards. The Supelco Logo. Supelco is the chromatography products branch of Sigma-Aldrich. It provides chromatography columns and related tools for environmental, government, food and beverage, pharmaceutical, biotechnology, medical and chemical laboratories; sample preparation products and chemical reference standards. The SAFC Logo. Sigma-Aldrich Fine Chemicals (SAFC) is the fine chemical supply branch of Sigma-Aldrich specializing in raw materials for cell culture products; customized services for raw materials, manufacturing of active pharmaceutical ingredients. Sigma Life Science provides products such as custom DNA/RNA oligos; custom DNA and LNA probes; siRNA; isotopically-labelled peptides and peptide libraries. Sigma Advanced Genetic Engineering (SAGE) Labs is a division within Sigma-Aldrich that specializes in genetic manipulation of in vivo systems for special research and development applications. It was formed in 2008 to investigate zinc finger nuclease technology and its application for disease research models. Located in St. Louis, Missouri, SAGE Labs have developed knockout rats for the study of human diseases and disorders (such as autism), which are sold for up to US\$95,000. SAGE also announced its first successful effort in creating a "knockout rabbit".[30] Its facilities include a specific pathogen free, biosecure vivarium as well as research and development labs. Carbolabs produces research quantities of chemicals produced by phosgenation reactions. The company was acquired in 1998.[31] BioReliance provides testing and manufacturing services to pharmaceutical and biopharmaceutical companies that span the product cycle from early pre-clinical development to licensed production. The company was acquired by Sigma Aldrich in January 2012. Current leadership Matthias Heinz­el became CEO of the Life Science business of Merck KGaA, Darmstadt, Germany in April 2021 following Udit Batra's departure from company. [32] References ^^^ (PDF) . Missing or empty |title= (help) ^ "Merck KGaA, Darmstadt, Germany, Completes Sigma-Aldrich Acquisition" (XBRL). Merck. 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