

Cray Valley HSC Corporate History

	CRAY VALLEY Branch	SARTOMER Branch
1800's		<u>1800s</u> : H. D. JUSTI family business (porcelain teeth) created.
1930's	<p><u>1930</u>: Initial production of Indene Courarone Resins</p> <p><u>1938</u>: Creation of Cray Valley Products (CVP).</p>	
1950's	<u>1953</u> : January 14, 1953: Registration of the trade name 'Norsolene'.	<u>1957</u> : SARTOMER RESINS created from the industrial acrylates division of H. D. Justi Company (dental polymers)
1970's	<p><u>1974</u>: Initial production of Norsolene at Carling, France.</p> <p><u>1979</u>: Expansion of production of Norsolene at Carling, France, with start of second line.</p>	
1980's	<p><u>1986</u>: Initial production of C9 resin in Houston, TX USA.</p>	<p><u>1981</u>: The Sartomer Company Division was purchased by Atlantic Richfield and became SARTOMER COMPANY, a wholly-owned subsidiary of Atlantic Richfield.</p> <p><u>1982</u>: Sartomer Company purchased Ware Chemical Co. of Stratford, Connecticut, adding the manufacture of zinc salts at Stratford to its product line.</p> <p><u>1985</u>: Sartomer Company merged with the Specialty Chemicals Division of ARCO Chemical Company</p> <p><u>1986</u>: Sartomer Company, as part of the Specialty Chemicals Division of ARCO, was purchased by Horsehead Industries, Inc. Sartomer becomes a wholly-owned subsidiary of Pony Industries, a division of Horsehead.</p>

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	<p><u>1987:</u> Orkem created from CDF-Chimie, the chemicals businesses of Charbonnages de France, the French State Coal production company.</p>	<p><u>1988:</u> Sartomer Company was sold in November to ORKEM (formerly C.D.F. Chimie) of Paris, France and became SARTOMER COMPANY, INC., a wholly-owned subsidiary of ORKEM. During this period of time Sartomer Company takes control of Total's Interest in plant in Houston, Texas. This facility eventually changes its name to Norsolene and Sartomer adds the manufacture of hydrocarbon resins to its product line</p>
1990's	<p><u>1990:</u> Creation of the Resins Division, from specific operations within Orkem. CRAY VALLEY adopted for the activities of the whole group.</p> <p><u>1996:</u> Initial production of 'Pure Monomer' resins in Carling.</p> <p><u>1999:</u> Total merges with Petro Fina and the new group becomes TotalFina.</p>	<p><u>1990:</u> Under a French government restructuring plan ORKEM is split between TOTAL CFP and ELF AQUITAINE. Sartomer Company becomes a wholly-owned subsidiary of TOTAL CFP</p> <p><u>1991:</u> TOTAL goes through internal restructuring and a holding company, Total America, Inc., Houston, TX, acquired 100% of the capital stock of Sartomer Company. Sartomer Company is now operating as a wholly-owned subsidiary of Total America, Inc., parent company TOTAL, S.A., France.</p> <p><u>1997:</u> Sartomer purchased the Rockland ReactRite Co. in Chatom, AL in December. The Chatom site gives Sartomer a 2nd metallic monomers manufacturing site.</p>

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2000's	<p><u>2000:</u> TotalFina merges with the Elf Group and becomes TotalFinaElf, the world's 4th largest oil company. As a result of the restructuring in the United States, TOTAL America, Inc. changes its name to TotalFinaElf Holdings USA, Inc. therefore Sartomer Company, Inc. becomes a subsidiary of this entity.</p> <p><u>2005:</u> On June 28, 2005, Sartomer Company announces it has agreed to purchase the Goodyear Tire & Rubber Company's hydrocarbon Resin business. This acquisition brings the Wingtack® brand of hydrocarbon resins into the Cray Valley Portfolio.</p> <p><u>2007:</u> Cray Valley begins to market its Hydrocarbon Resins products directly in the America's, rather than using the Sartomer Name.</p> <p>Cray Valley opens Hydrocarbon testing laboratory within its Exton Pennsylvania offices.</p> <p><u>2007:</u> Initial production of 'Pure Monomer' resins in Houston, TX.</p>	<p><u>2000:</u> On July 11, 2000 Sartomer Company, Inc. purchases Ricon Resins, Inc.</p> <p><u>2001:</u> On April 1, 2001, the SMA and Poly Bd business units are transferred from Atofina to Sartomer.</p> <p><u>2002:</u> Marketing Alliance formed with Kaucuk in August.</p> <p><u>2005:</u> On August 5, 2005, Sartomer Europe announced the purchase of the Kaucuk a.s. (Czech Republic) liquid polybutadiene business and plant.</p> <p>Functional Additives Business is now complete with Ricon®, Poly bd®, and Krastol™ Liquid Polybutadienes, SMA® Resins, and Metallic Monomers</p>
2010's	<p><u>2010:</u> January 1, 2010: Cray Valley Hydrocarbon Specialty Chemical (HSC) Formed combining the Hydrocarbon Resins from Cray Valley and the Functional Additives from Sartomer Company (See</p>	<p><u>2010:</u> January 1, 2010: Cray Valley Hydrocarbon Specialty Chemical (HSC) Formed combining the Hydrocarbon Resins from Cray Valley and the Functional Additives from Sartomer</p>

	below).	Company (See below).
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Cray Valley HSC

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2011	<p>January 2011: Cray Valley HSC announces the formation of Cray Valley HSC Asia Limited to facilitate growth in the Asian Region.</p> <p>April, 2011: Cray Valley announces the introduction of Hydrogenated Hydrocarbon Resins, to be available in late 2012.</p> <p>April, 2011; Cleartack™ registered to represent Cray Valley's new line of hydrogenated resins.</p> <p>July 1, 2011: Cray Valley HSC reports to Total Petrochemicals with the completion of the Sartomer and Coatings Resins divestitures to Arkema and the dissolution of the Cray Valley Resins division. Cray Valley HSC becomes the only business unit to retain the Cray Valley name.</p> <p>September, 2011: Dymalink™ registered to represent Cray Valley's line of metallic acrylate and methacrylate monomers.</p> <p>Q4 2011: Cray Valley commissions a 40% capacity increase in the Poly bd® production unit in Houston, TX.</p>
2012	January 2012: Total reorganizes its businesses. Cray Valley HSC becomes part of the Global Refining and Chemicals Division.