



CHEMICAL SOFT Co., Ltd.

Headquarters

193 Shimogose, Aoyama-Hane, Iga-shi, Mie
TEL:0595-52-1557 FAX:0595-52-1586

Niki Factory

331-2 Shikaribetsu, Niki-cho, Yoichi-gun, Hokkaido
TEL:0135-31-2840 FAX:0135-31-2850

CHEMICAL SOFT Co., Ltd.
Company Information

化学が地球を救う

Chemicals Will Save the Earth

Our Vision



Chemicals Will Save the Earth

There are many serious problems facing the earth today, including environmental issues.

However, Chemical Soft Co. Ltd. does not view the situation as hopeless. We believe "Chemicals will save the earth." As new developments in the chemical field are involved in the progress of the information industry and life sciences, these will contribute to the daily life of coming generations. The world of chemicals truly has unlimited potential. And as a result, our dreams in chemical research development are also unlimited.

Hideaki Kikukawa, Representative Director

Business Description

- Manufacture and sale of high-purity acid chlorides (acrylic acid, methacrylic acid)
- Manufacture and sale of high-purity acid anhydrides (acrylic anhydride, methacrylic anhydride)
- Commissioned manufacture and sale of esterification and amidation processes using acid chlorides and acid anhydrides
- Commissioned manufacture and sale of functional materials (organic EL materials, liquid crystal materials, and various other materials)
- Manufacture of pharmaceutical and agrochemical intermediates (Genetic materials, generic intermediates)
- Manufacture and sale of chemicals



Company Profile

Name of the company : CHEMICAL SOFT Co., Ltd.

Chairman of Board of Directors : Tadashi Kikukawa

Representative Director : Hideaki Kikukawa

Established in : 2007

Capital : 14 million yen

Employees : 15

Business description : Organic chemical synthesis

U R L : <http://chemicalsoft.co.jp/>

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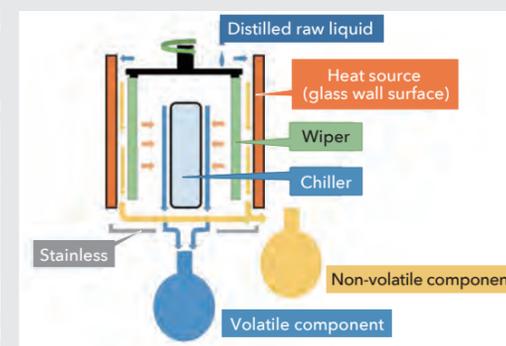
Edobori Center Building 9F

TEL:06-6225-1163 FAX:0135-31-2850

Technology, Facilities, and Analytical Equipment

- Purification synthesis technology for high-purity acid chlorides and acid anhydrides
- Adjustment technology for high purity electronic material / Technology to remove metal ions from liquids
- Purification technology using thin-film distillation equipment
- Technology applied to Suzuki coupling reactions / reactions with organic EL, liquid crystals, and pharmaceutical intermediates
- High-yield, high-purity manufacturing technology of high-purity resist materials

Thin-film distillation equipment



- Thermal history of collected components is small due to vaporization and condensation occurring in a short time.
- Effect from molecular interaction is difficult due to a thin film forming during distillation.
- Materials can be supplied and continuously distilled.
- Pressure loss can be controlled since vaporized components are quickly condensed by the refrigerant.

Synthesis Equipment

Reactor 100L and smaller (Teflon Lining) 5 units, 1 unit each of 150L and 800L (GL), 20 L evaporator 3 units, Thin-film distiller (20-30L/D) 1 unit

Analysis equipment

GC 3 units, IR 1 unit, HPLC 1 unit, UV 1 unit, Moisture meter 1 unit

Products

High quality acid anhydrides and acid chlorides manufactured using our novel technologies can be applied over a wide range and are highly evaluated by our customers.

● Main products

Product name	Acrylic anhydride	Methacrylic anhydride	Acrylic chloride	Methacrylic chloride
Structural formula				
Molecular weight	126.11	154.17	90.51	104.53
CAS No.	2051-76-5	760-93-0	814-68-6	920-46-7
External appearance	Colorless transparent liquid	Colorless transparent liquid	Colorless to light yellow transparent liquid	Colorless to light yellow transparent liquid
Boiling point	84°C/2kPa	90°C/2kPa	75°C/101.3kPa	95°C/101.3kPa
Specific gravity (20°C)	1.094	1.032	1.114	1.076
Purity (GC)	99% or higher	99% or higher	99% or higher	99% or higher
Additives (MEHQ)	100ppm	100ppm	100ppm	100ppm