

UBE Industries Ltd., Ube Chemical Plant

Location :10-1978 Oaza-Kogushi, UBE-CITY, YAMAGUCHI-KEN, 755-8633, Japan

Representative : Director of the plant Hideyuki SUGISHITA

| Business Classification | Capital | No. of Employees | Established |
|-------------------------|-----------------|--------------------------------------|-------------|
| Chemical Industry | ¥43,463,000,000 | 3,706 (Ube Chemical Industry 586) | 1897 |

Description of Business : We have had the chemical and resin business as the leading plant since our plant was established in 1933. Our products started from the caprolactam, nylon resin and the industrial pharmaceuticals. Today we expand our business to produce functional materials such as the polyimide resin, cell separator and pharmaceuticals as our core project. We received the World Class Award for TPM (Total Productive Management) Activities by aiming the leading and advancing special chemical plant in the world.

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| Main business and products : Caprolactam / nylon resin / functional materials (polyimide resin, separation membranes, battery separator) / Industrial chemicals (sulfuric acid, nitric acid)/ pharmaceuticals | |
| Main Equipment and Facilities : Caprolactam Plant / Nylon Resin Plant / Polyimide Plant / Gas Separation Membrane Plant / Functional Membrane Plant / Medicine Plant / Sulfuric Acid / Nitric Acid Plant / Catechol and Vanillin Plant / High- Purity Chemicals Plant | |
| Main Facilities for Preventing Pollution Drainage aerobic treatment facility / Drainage and incineration facility / nitric acid plant and de-nitrization facility / Removal equipment of benzene / Flue gas de-sulfurization and de-nitrization equipment | |
| Qualified Permits, Registrations and Others : ISO14001 / ISO9002 / TPM World Class Award / Approval for manufacturing the medical materials based on the GMP guideline / Authorized by the JAXA for heat control materials for space / | |
| Licensed and Qualified Engineers & Specialists Pollution control manager / ISO internal inspector qualification / Energy control engineers / Electrical control engineer / Industrial waste control engineer | |
| Environmental Preservative Activities | |
| Environmental Pollution Prevention | Reducing the emission of hazardous substances and polluting water substances |
| Waste and its Recycling | Promoting the recycle of drainage, water waste and plastic waste while working with the cement section. |
| Preservation for the Global Environment | Reducing the emission of CO ₂ with the 'Stop the Global Warming' policy. |
| Others | Responsible care is being promoted. |
| Eco-business and Eco-products | |
| Equipments for Reducing Environmental Pollutant | Developing the recycling technology using the decompose gas from waste films |
| Eco-Products | A saving energy Halogen free circuit materials / thin membrane cell separator for the high efficient battery / dimethyl carbonate |