
Central Kasei Co., Ltd. Ube Plant

Location : 5254-7 Oaza-Okiube, UBE-CITY, YAMAGUCHI-KEN 755-8510, Japan
Representative : Nobuo KUNO

Business Classification	Capital	No. of Employees	Established
Chemical Industry	¥1,000,000,000	88	1988

Description of Business: Our company contribute to build a rich environment as a manufacturer of compound fertilizer and inorganic chemical products.

Main Products and Business: Phosphoric acid / High quality compound fertilizer / Tripoli sodium phosphate / Refining ammonium chloride / Covering fertilizer and etc.
Main Equipment and Facilities: Plants for phosphatic fertilizer, compound fertilizer and inorganic chemical products
Main Facilities for Protecting Pollution: Dust collector of waste gas (dry process / wet process) / Facility of eliminating waste gas (dry process / wet process) / Nutrizer of waste water
Qualified Permits, Registrations and Others: Food additive (ammonium chloride for food additive) / Production of poisonous and deleterious substances (sodium silicofluoride) / Industrial waste treatment (regenerating waste acid fertilizer) / ISO 14000 certification(2000)
Licensed and Qualified Engineers / Specialists: 1 food sanitation manager / 2 energy controller / 70 chief hazardous substance handling engineers / 5 fire fighting facilities technicians / 1 environmental mass measurer / 4 pollution control managers / 4 high pressure gas handling engineers / 12 health controller / 28 engineers handling poisonous and deleterious substance

Environmental Preservation Activities

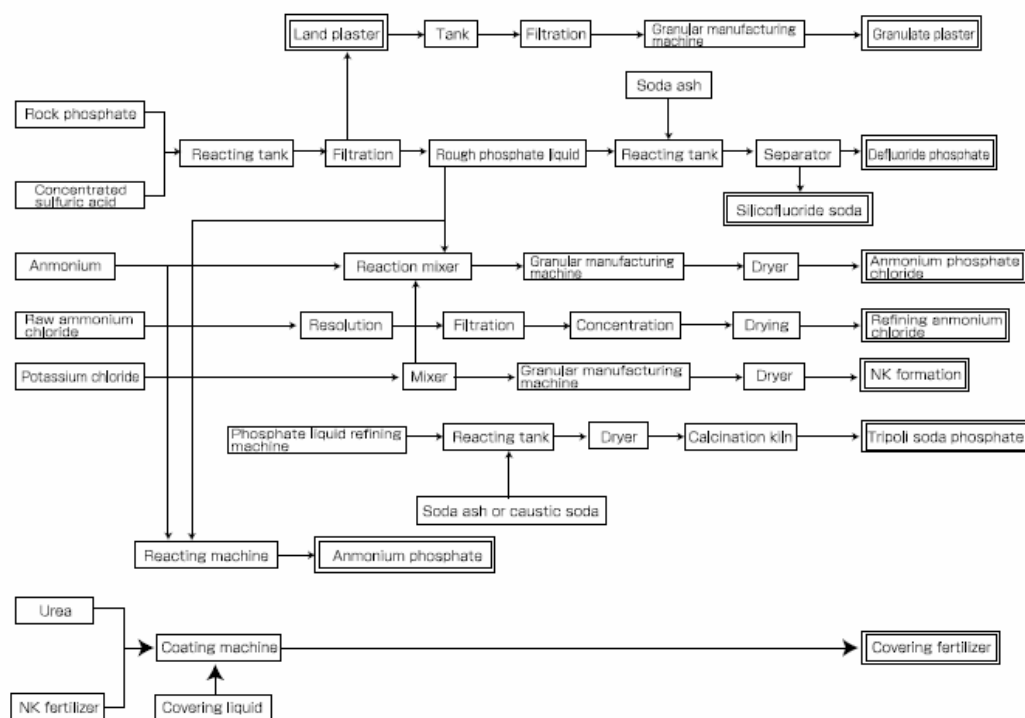
Environmental Pollution Prevention	Promotion to control air pollution, water pollution, noise, oscillation and offensive odor
Activities for Waste and its Recycling	Control and reduction of final waste output / Recycling
Activities for Reducing use of Energy and other Resources	Promotion of energy reduction
Earth Environment Conservation	Control of CO ₂ emission / Use of substitute CFCs
Others	Promotion of ISO14001 certification activities (obtained in December, 2000)

Eco-business and Eco-products

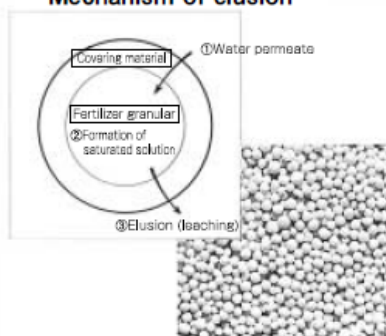
Products to reduce negative impact on the environment	Covering fertilizer (slow effective fertilizer)
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Outline of Business (Flow System and Photos)

Manufacturing Process



Mechanism of elusion



Covering Material

Due to that the material used for covering contains oiliness component within its structure, it decays into the soil by oxygen, solar rays and microorganisms.

When this fertilizer is used for the soil, high concentrated fertilizer solution (saturated solution) is produced by dissolving the water-soluble fertilizer laid inside with a very small quantity of water permeating the fineness ails of the covering material.

The components of this fertilizer solution diffuse to the outside due to the difference of the outside temperature. As this mechanism has strongly related to the width of the covering layer (the number of the layers) and the nature of the fertilizer granular laid inside, the length of days for elusion can be controlled.

The elusion velocity has also strongly related to the temperature (temperature of water and soil).

Further Information on Environmental Technology

Central Kasei Co., Ltd.

Environment and Safety Department; Manager Tetsuro TAKEMOTO

7-5254, Oaza Okiube, UBE-CITY, YAMAGUCHI-KEN, 755-8510, Japan

Phone : 0836-34-5848 / Fax : 0836-21-7455