SINCHEM PRESENTATION

2020
SINCHEM GROUP

Earth Pearls, Purifying Life

Manufacturer of
Silica Gel Desiccants and Cat Litters
and Vegetal Cat Litters
LOCATIONS

- China: Shandong Province
- Between Beijing and Shanghai
- Ports of Qingdao, Shanghai and Tianjin.

- Subsidiary for Services and Sales in France at Strasbourg.
- Center of Europe
SINCHEM GROUP

XINXU CHEMICAL
HONGTAI CHEMICAL
SINCHEM SILICA GEL
SINCERE PET PRODUCTS
SINCHEM EUROPE

Silica Sand
Sodium Silicate
Silica Gel Dessicant and cat litters
Vegetal cat litter
Services
1993
Production of sodium silicate.

2005
Production of silica gel.

2007
Exportation of silica gel.

2011
Obtention of ISO9001 and ISO14001.

2013
Production of cat litter. Obtention of REACH.

2015
Obtention of BSCI.

2016
Exportation in more than 70 countries.

2017
Establishment of SINCHEM EUROPE.

2020
Creation of SINCERE Pet Products.
XINXU CHEMICAL
Mines of Sand

- Extraction of the Silicium SiO₂.
- 10 kms by 300 meters by 30 meters depth.
- 30 years exploitation.
From Stone to Sand

- Breaking the stones.
- Cleaning the Quartz stones.
- Obtaining Quartz Sand with no impurities and metals.
• Mix of SiO$_2$ + Soda Ash (Na$_2$CO$_3$)
• Heat at 1400°C
• Obtention of Sodium Silicate (Na$_2$SiO$_3$) + CO$_2$
• **We do not use caustic soda or sodium sulfate** for their highly negative impact in the environment.
SINCERE PET PRODUCTS
Production of Vegetal Cat Litter

- Factory Area: 48,000 m²
- Employees: 50 people
- Production annual capacity: 30,000 tons.
SINCHEM DATA

• Silica Gel Production: 100,000 Tons per Year.
• Factory Area: 200,000 m²
• Employees: more than 1,000 persons.
• Export: more than 70 countries.
• R&D department: 45 engineers.
• Tech: More than 25% of the actual products does not exist 3 years ago.
• Sales: 135 millions US$ per year.
Silica gel is taken from natural quartz sand, mineral components are non-toxic and harmless. It is the only product that has passed the FDA certification to be used in medicine by our USA customers.

SINCHEM owns all the processes of production from the mines to the finished products with total control over quality. We have ISO 9001, ISO 14001 and REACH certificates.
SINCHEM prides itself with environment protection, green and sustainable development, and transmits this concept to employees through action. SINCHEM builds roads, supports education and makes efforts for social progress and contributing to the sustainable development of mankind.

SINCHEM has always adhered to the green concept of «taking from nature and returning to nature.» The used silica gel can be utilized as fertilizer.
SINCHEM has increased the production efficiency to reduce waste and save energy.

- Steam is produced by a low temperature recovery unit, which greatly reduces the amount of Carbon dioxide and we use natural gas not coal.
- SINCHEM has invested EUR 13 million in a water treatment center which achieved zero discharge of water by using spatial technology.

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<tr>
<th>Concepts</th>
<th>2015</th>
<th>2020</th>
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<tr>
<td>C0²/Kg of silica gel</td>
<td>1.61 Kg or 90 gr/day</td>
<td>1.05 Kg or 59 gr/day</td>
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<tr>
<td>Water/Kg of Silica Gel</td>
<td>16 L</td>
<td>0 L</td>
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With strong absorption capacity, it can not only absorb pets' urine quickly, but also absorb the bad smell of feces effectively. Thus, it can keep the pet’s toilet dry, and destroy the production and breeding environment of microorganisms and bacteria, achieving antibacterial status and keeping pets healthy and the air fresh.

Silica gel does not contain heavy metals, like some other mineral litters.
APPLICATION FIELDS

INDUSTRY

BIOCHEMISTRY

ELECTRONIC
APPLICATION FIELD

AGRICULTURE

HOUSEWARE
PRODUCT RANGE

CAT LITTERS
- Silica gel cat litters
- Vegetal cat litters

SILICA GEL INDUSTRY
- Silica gel desiccants
- Silica gel for industrial use
- Micronized silicas
- Sodium silicate
Silica Gel Cat Litter

- Lumpy
- Sugar
- Clumping
- Semi bead
- Fragrances, Antibacterial agent, Health indicator.
- Main use: absorb urine, odor control.
- Main market: Europe
- Customers we serve:
Vegetal Cat Litter

- Natural – Peas and Corn starch.
- Clumping
- No dust
- Can be flushed to the toilet
- Main uses: absorb urine, odor control and green attitude
- Main market: Asia
**Desiccants**

- TYPE A / TYPE B / Indicating silica gel.
- Main uses: desiccants, catalyst carrier, adsorbent.
- Main market: Asia, America.
- Customers we serve: 🔄 FUJI-SANGYO CO., LTD. 🔄 SANNER 🔄 TPG CLEAN & FRESH 🔄 BAD KÖSTRITZ 🔄 SAMSUNG
Silica Gel For Industrial Use

- PSA Silica (Pressure Swing Adsorption)
- FNG Silica (Water-proof)
- Main uses: steel industry,
- synthetic ammonia industry
- Main markets: Asia, America
Micronized Silica Gel

- Anti-blocking Agent,
- Matting Agent
- Main uses: painting, ink, plastics.
- Main market: Asia
Sodium Silicate

- Solid and liquid
- Main uses: raw material for silica gel, adhesive, fire-resisting material.
- Main Market: Asia
PRODUCTION CAPACITY

Unit: Tons

- Silica GelCat litter: 65000 Tons
- Vegetal Cat litter: 20000 Tons
- Desiccant Type A: 20000 Tons
- PSA silica gel: 6000 Tons
- Desiccant Type B: 6000 Tons
- Others: 3000 Tons
Most important products

- Europe: Cat litters
- Asia: Desiccants / others
- America: Cat litters and desiccants
- Australia: Cat litters
Packing and Storage Capacity

- Packaging lines: 10 containers per day.
- Automatic palletization: 2 containers per day.
- Automatic warehouse: 150 containers.
Thank you

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