

# SINCHEM PRESENTATION

2020





# SINCHEM GROUP

Earth Pearls, Purifying Life

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



# LOCATIONS

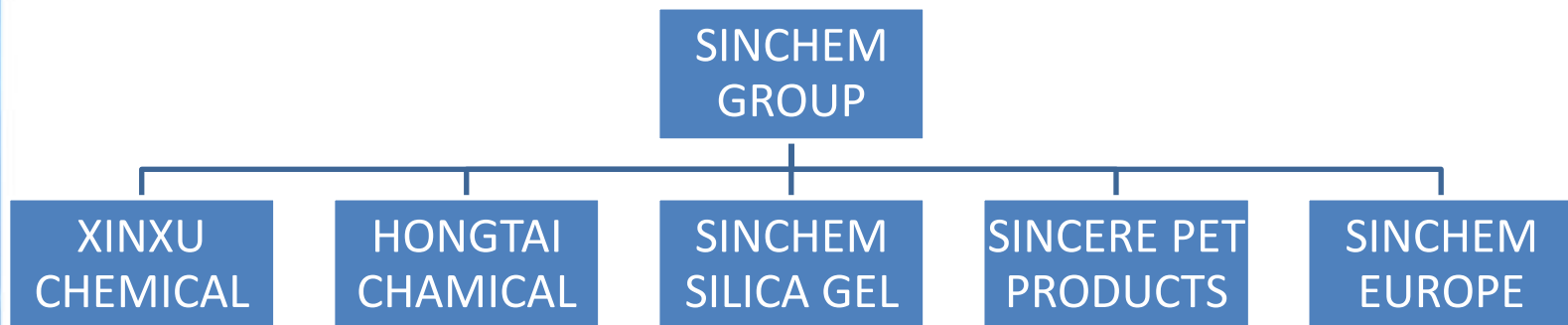


- China : Shandong Province
- Between Beijing and Shanghai
- Ports of Qingdao, Shanghai and Tianjin.

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



# SINCHEM GROUP



Silica Sand



Sodium Silicate



Silica Gel  
Dessicant and cat  
litters



Vegetal cat litter



Services

# HISTORY

**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  $\text{SiO}_2$ .
- 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.

# HONGTAI CHEMICAL

## SODIUM SILICATE – GLASS WATER



- Mix of  $\text{SiO}_2$  + Soda Ash ( $\text{Na}_2\text{CO}_3$ )
- Heat at  $1400^\circ\text{C}$
- Obtention of Sodium Silicate ( $\text{Na}_2\text{SiO}_3$ ) +  $\text{CO}_2$
- **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 m<sup>2</sup>
- **Employees :** 50 people
- **Production annual capacity:** 30,000 tons.



# SINCHEM DATA



- **Silica Gel Production :** 100,000 Tons per Year.
- **Factory Area:** 200,000 m<sup>2</sup>
- **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.





# SINCHEM VALUES



## NATURAL PRODUCT

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.



## QUALITY CONTROL

**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 VALUES



## SUSTAINABLE DEVELOPMENT

**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.



## GREEN CONCEPT

**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 VALUES



## REDUCE WASTE AND SAVE ENERGY

**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.

Concepts	2015	2020
C0 <sup>2</sup> /Kg of silica gel	1.61 Kg or 90 gr/day	1.05 Kg or 59 gr/day
Water/Kg of Silica Gel	16 L	0 L

# SINCHEM VALUES



## STRONG ABSORPTION

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.



## NO HEAVY METALS

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

# APPLICATION FIELDS

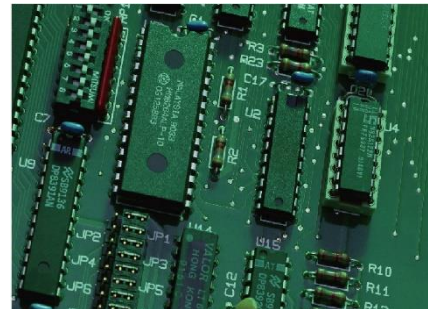
**INDUSTRY**



**BIOCHEMISTRY**



**ELECTRONIC**



# APPLICATION FIELD

## AGRICULTURE



## HOUSEWARE





# PRODUCT RANGE

## CAT LITTERS

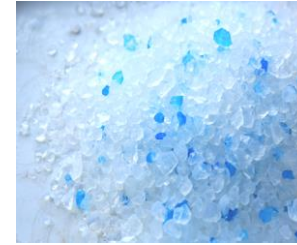
- Silica gel cat litters
- Vegetal cat litters

## 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.

 日本化工機材株式会社  
NIPPON KAKO KIZAI CO.,LTD.

 **SANNER**

 TPG  
CLEAN & FRESH

 **CWK**  
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

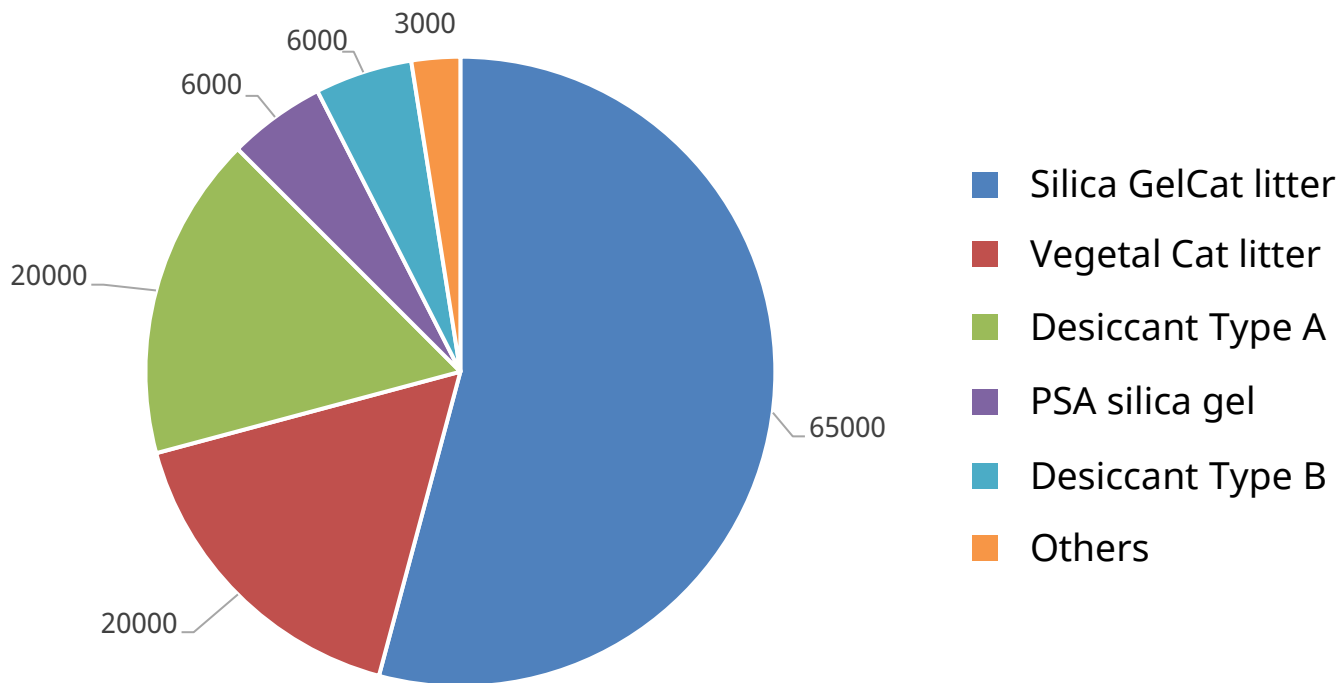


# Sodium Silicate

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



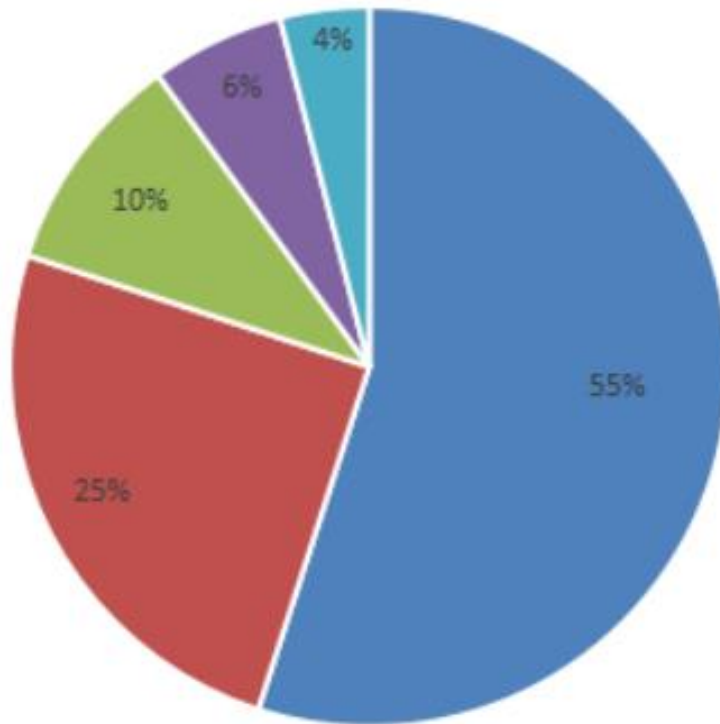
# PRODUCTION CAPACITY



Unit: **Tons**



# Sales Volume Per Continents



## Most important products

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

■ Europe ■ Asia ■ America ■ Australia ■ Others

# Packing and Storage Capacity

- ❑ Packaging lines : 10 containers per day.
- ❑ Automatic palletization: 2 containers per day.
- ❑ Manual warehouse: 70 containers.
- ❑ Automatic warehouse: 150 containers.





# Thank you

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