**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.

**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**

SINCEM owns all the processes of production from the mines to the finished products with total control over quality.

**Green Concept**

SINCEM has always adhered to the green concept of "taking from nature and returning to nature." The used silica gel can be utilized as fertilizer.

**No Heavy Metals**

Silica gel does not contain heavy metals, like some other mineral litters.
**REDUCES WASTE AND SAVES 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.

<table>
<thead>
<tr>
<th>Concepts</th>
<th>2015</th>
<th>2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>Co₂/Kg of silica gel</td>
<td>1.61 Kg *</td>
<td>1.05 Kg *</td>
</tr>
<tr>
<td></td>
<td>(90 gr/day)</td>
<td>(59 gr/day)</td>
</tr>
<tr>
<td>Water/Kg of Silica Gel</td>
<td>16 L</td>
<td>0 L</td>
</tr>
</tbody>
</table>

* Normal use for a 4 Kg cat.

**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.
SILICA GEL CAT LITTERS

PACKAGING

Plastic Bags
(from 1.5 kg-3.3 lb. to 10 kg -22.0 lb.)
and with 9 colors.

Boxes in Cartons

Plastic Cans

Woven Bags
(from 15kg-33 lb.)

Barrels

BRANDS

Your Private Label Brands

Our Brands

Silitter, SINGLE, SoClean
TYPES

CLUMPY
Clumping 0,5 to 2,0 mm

LENSY
Semi bead 0,5 to 4,0 mm

STONEY
Lumpy 1 to 8 mm
(1-4 mm, 4-8 mm, 1-6 mm)

SANDY
Sugar 0,5 to 2,0 mm

COLORS
Transparent
All the colors are possible

ADDITIONAL
Fragrances, Anti-odor, Pheromones, Health indicator

TOFU CAT LITTER

CRITERIA FOR CAT LITTER

CLEANABILITY
The frequency and the ease of cleaning.

ABSORPTION
The rapidity and the quantity of water absorption.

ENVIRONMENTAL PROTECTION
The impact of the cat litter during its manufacturing, its transport; at home and the procedure of the after-treatment.

CLUMPING
The degree of agglomerate and the need.

DEODORIZATION
The degree of neutralization of the odors, it’s rapidity and period.

COMFORT
The softness for the cat and kitten.
Chromatography silica gel is a high-class selective absorption material composed by structured-aggregation colloid particles. Colloid particle is the polycondensate of hydrated silica gel, it is a amorphous substance. The gap between colloid particle forms the micropore structure inside silica gel granules. Therefore, Chromatography silica gel is a superior absorbent material with micropore structure, high specific surface area, high purity and high activity.

Chromatography silica gel is widely used in the separation and purification of effective components in Chinese herbs, preparation of high purity materials, dehydration and refining of organic products and brewing industry.

Silica gel fertilizer can enhance disease resistance of rice, improve its setting percentage, stimulate the growth and increase the yield.

It can also be benefit to crops’ photosynthesis and increase chlorophyll content, make the stem and leaf straight and upright, promote the accumulation of organic matter.

Silica gel fertilizer can strengthen the mechanical strength of crops’ stems, enlarge the lodging-resistance capability by more than 85 percent to make stems straight and strong, so it is good for compact planting.

It can improve the crops’ resistance to plant diseases and insect pests, to reduce various kinds of plant diseases and insect pests.
Silica gel desiccant can protect semiconductor, circuit board and all kinds of photoelectric elements from moisture, static and corrosion during the storage.

Adsorption of formaldehyde, benzene series, ammonia, radon and some other harmful gas along with floating bacteria in the air.

Air humidity adjustment, odour control, mould proof, and sterilization in hotels and hostels, offices, living rooms, bathrooms, kitchens, ashtrays, cars, shoes and refrigerator

Silica Gel Cat Litter has strong and fast absorption capacity, it can completely absorb the cat urine or liquid in feces in seconds as well as the smell. It can inhibit bacteria from growing, the pets can live in a clean and safe environment.
SISORB®

TYPE A

Type A is used to put in the package of instruments, electronic products, leather, shoes, clothes, food, medicine and appliances. To prevent items against dampening, mildewing and rusting. To refine organic compounds by dehydration. To be used as the catalyst carrier.

Because of its high bulk density and high performance to absorb moisture in low humidity, it can be used as air cleaner to control the air moisture.

TYPE B

Low absorption capacity in low humidity compared to Type A. High absorption capacity in high humidity compared to Type A. Better than Type A in tropical and oceanic climates. It can adjust the moisture and it is much better to use to protect the calligraphy and painting, especially the ancient calligraphy, paintings and books.

SISPOWER®

PRESSURE SWING ABSORPTION

This product is mainly used for drying, indicating the degree of drying or humidity, and widely used in precise instruments, pharmaceuticals, petrochemicals, food, clothing, leather, home appliances.

The PSA can absorb certain gases more easily than other gases, so the gas easily adsorbed can stay in the PSA silica gel and be separated from others gases. Used as catalyst and catalyst carrier in petroleum chemical field, dryer machine, liquid absorber, gas separating in industrial field CO₂ and H₂, and in the fabrication of NH₃ and Urea.

SIDICCIA®

COLOR INDICATING SILICA

This product is mainly used for drying, indicating the degree of drying or humidity, and widely used in precise instruments, pharmaceuticals, petrochemicals, food, clothing, leather, home appliances.
SIS-MICRO®

MICRONIZED SILICA

Micronized silica is synthetic, amorphous, porous and acidic-base silica powder whose size ranges from 2 microns up to 20 microns. It is used as a matting agent and anti-blocking agent for plastics. Micronized silica products are manufactured to exacting consistency, purity and quality standards.

- **Pore Volume**: 0.4 to 2.5 cc/g
- **Surface Area**: 200 to 800 m²/g
- **Oil Absorption**: 90 to 400 cc/100g

SIS-CX®

CHROMATOGRAPHY SILICA GEL

COLUMN

It is the main chromatographic technique used to separate and refine the industrial material. It is mainly used to separate and refine traditional Chinese herbal medicine, synthetic chemicals and bio-active substances to get high-purity substances by absorption.

SIBEAR®

STABILIZER FOR BEER

The silica gel can prolong beer storage period by 180-240 days and keep beer from being cold turbidity. It does not affect the beer foam or taste. It is proved by practice that it is the safest beer stabilizer generally recognized by beer industry all over the world.

SIS-FNG®

FNG WATER PROOF SILICA GEL

Bead type is widely used, such as use as catalyst carrier, to dry and absorb inflammable acetylene and carbon dioxide to prevent the machine from freezing and blocking in gas separating field. Granular type can be used to refine water, it can be recycled after washing and drying. It can be used in aquariums, it can also remove the fishy smell and nitrite in water.

THIN LAYER

It is widely applied to identify and to separate the main ingredients of medicine, pesticides, Chinese herbal medicine, food, chemical products and to clean the impurities from them.

SILICA GEL DESICCANT USE

DEHUMIDIFYING AGENT

ABSORBENT

INDUSTRIAL PROCESS

SIZES

BEAD
- 0.5 to 1.5 mm
- 1 to 3 mm
- 2 to 4 mm
- 3 to 5 mm

GRANULAR
- 0.2 to 1.0 mm
- < 0.3 mm
- 0.5 to 1.5 mm
- 0.7 to 1.4 mm
- 1 to 3 mm
- 1 to 6 mm

COLORS

Transparent glass

Blue and orange