

# Super Eco Shell

**Calcium Hydroxide powder**  
**(100% natural origin / manufactured in Japan)**

## 【Characteristic】

- ◆ Food Additive grade → High Safety
- ◆ High purity extra fine powder
- ◆ 0.2% SES saturated solution is more than pH12.5
- ◆ High deodorizing effect
- ◆ Inactivation of viruses and bacteria
- ◆ Effective in the presence of organic matter and animal manure
- ◆ Effective at low temperatures
- ◆ High detergency for removing protein
- ◆ The fine powder has less risk of clogging the machine

## Super Eco Shell (SES)

[Composition]  $FdCa(OH)_2$

[Packing] NET10kg/bag

NET5kg(200g × 25bags) /box



- $Ca(OH)_2 \geq 96.5\%$
- Average particle size  $\leq 5\mu m$

## 【Usage】

How to make 0.2% SES saturated solution  
 Example: Water 100L + SES 200g

### ◆ for Disinfection and Cleaning

Spraying SES saturated solution by power sprayers

truck, cart, barn, foot dipping vessels, boots, working clothes, tools and equipment, entrance and floor of livestock houses, food factories, eggs, poultry, animal body directly etc.



### ◆ SES solution + invert soap enhance sterilizing effect

Invert soap together with  $FdCa(OH)_2$  generate a synergistic effect.



### ◆ High deodorizing effect

SES solution chemically decomposes the cause of bad odor.

## 【for Biosecurity】

Many viruses and bacteria such as ASF, CSF, FMD virus, PED virus, Avian influenza virus can not survive in circumstances more than pH12.5. SES solution inactivate viruses and bacteria by this action.

Viable pH range for pathogenic viruses and bacteria  
 \*data from MHLW

	pH1	pH12
African swine fever	3.9	11.5
FMD virus	6	9
Swine vesicular disease virus	2.8	10
Classical swine fever virus	5	10
Porcine circovirus	3	12.5
PRRS virus	6.5	7.5
TGE virus	3	5
Aujeszky virus	6	8
PED virus	5	9
Rota virus	3.5	10
Pathogenic E. coli	4.4	9
Salmonella	4	9
Swine erysipelas bacteria	7.4	7.9
Avian influenza virus	6	10

Distributor



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