



Part of Ant Group Ltd



Silica Gel MSDS

Silica-gel is a high-activity sorbing material, the outcome of chemical reaction of sodium silicate and sulfuric acid, ageing and sour bathing process. Silica-gel is an amorphous substance. It's molecular formula is $m\text{SiO}_2 \cdot n\text{H}_2\text{O}$. It features a stable chemical property and never reacts with any substance except strong alkali and hydrofluoric acid.

INGREDIENTS		
NAME	PERCENTAGE (%)	
SiO ₂	99.6	
Na ₂ O	0.17	
Fe ₂ O ₃	0.02	
MgO	0.01	
CaO	0.04	
Al ₂ O ₃	0.16	

HARMFUL ELEMENTS	RATE	
Cd	<2ppm	
Pb	<2ppm	
Hg	<2ppm	
Cr(VI)	<2ppm	
PBBS	<5ppm	
PBDES	<5ppm	

PROPERTY PARAMETERS	QUALITY ITEMS	CRITERIA (Test methods JIS-Z0701)
	A: Bulk density	>750g/L
	B: Loss on drying	<3%
	C: Moisture absorption rate	
	RH=20%	>8%
	RH=40%	>20%
	RH=80%	>30%
	PH	4--8
	Specific resistance Ohm* cm	≥3000

DOSAGE	
VOLUME	MIN DOSAGE
0.1-----1L	1-----2g
1-----10L	2-----20g
10-----100L	20-----200g
100-----1000L	200-----1600g

PACKAGING	
Weight	Packs are available from 1g to 1kg.
Packaging materials	Non-woven fabrics

PRINTING	The packages are printed in Chinese, English, Japanese and French.
STORAGE	Silica-gel should be kept sealed when not in use.