



CHALKMINE

KLEENSORB

is a naturally absorbent material made of calcined (super heated) Diatomaceous Earth.



Cleaning and Greening Australia

KLEENSORB®

WHAT IS KLEENSORB

Kleensorb is calcined (super-heated) Diatomaceous Earth. Diatomaceous Earth is a sedimentary rock made up primarily of amorphous silica (see analysis). It is not crystalline silica. The heating process does not exceed the temperature necessary to convert amorphous silica to crystalline silica.

- Has a high surface area in minute pore spaces into which liquids can be absorbed.
- Is used as a popular industrial spillage absorbent and in evolving agricultural applications to improve soil structure and supply plant available silica.
- Can retain up to 100% of its own weight in liquid.

WHAT IS KLEENSORB USED FOR?

- **INDUSTRIAL SPILLAGE ABSORBANT:** Spread over spill, leave for a while until all the liquid has been absorbed, then sweep up and dispose of contained spillage according to regulations.
- **POTTING MIX:** Kleensorb is added to potting mixes because of its ability to hold water, create aeration and provide plant available silica.
- **SOIL CONDITIONER:** Breaks up heavy soil. Can be used as a soil amendment to improve the porosity and drainage of soils. Also provides plant available silica for plants.
- **OIL & BEVERAGE CLARIFYING:** Can remove some impurities from edible oils and beverages such as wine, beer and fruit juice.

- **DOMESTIC USE:** Excellent for absorbing grease in barbecue and grill drip trays where fat can pose a significant fire hazard. Can also be used to absorb odours in fridges, ash trays and rubbish bins.
- **PET LITTER:** One of the most popular and efficient pet litter materials. It also absorbs odours. (After use, add to garden to maximise water retention.)

INDUSTRIAL AND FARM CHEMICAL SPILLS

Spills can be toxic, odorous, slippery and unsightly and need to be disposed of quickly, safely and without leaving a residue. Kleensorb soaks up oils and all liquid chemicals and also rapidly reduces the evolution of any toxic fumes from the spill. In Europe, where the total market for industrial spillage absorbents is about 150,000 tonnes per annum, diatomite is the most popular absorbent in use. The calcining process both dries and hardens the diatomite but it retains its structural integrity. Even when crushed, the material will not release the absorbed fluid or become slippery, making it appropriate for use on roads, in garages and factories.





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LANDSCAPING AND RECREATION

Kleensorb, or our raw uncalcined product Purasil is used as a soil additive. It is now used on golf courses, sports fields and landscape projects. Landscape gardeners, green keepers and landscape architects use our products to improve porosity and drainage of soil and promote the health of the plant's root system.

The addition of these products to soil helps to promote the healthy growth of living plants. The intricate pore structure of diatoms keeps the pores in the soil open and controls the water supply to the roots, holding and releasing moisture when required. The improved structure oxygenates the soil and helps break up heavy clay.

PACKAGING

Kleensorb is packaged in 35 litre heavy duty plastic bags. Kleensorb is sold in minimum one pallet batches. Each pallet contains 50 bags. A Material Safety Data Sheet is available from our website www.chalkmine.com.au.

TYPICAL ANALYSIS

Silicon	81.6%
Phosphorus	.034%
Potassium	.059%
Sulphur	.092%
Calcium	.686%
Magnesium	.704%
Iron	3.17%
Aluminium	6.22%
Titanium	.764%
Sodium	117%
Carbon	1.93%

