



ESA

SUSTAINABILITY. REIMAGINED



**" WE MAKE & SUPPLY
SUSTAINABLE
CHEMICALS WHICH
MAKE A DIFFERENCE
TO OUR
ENVIRONMENT"**

**CIRCULAR
CHEMICALS
2026**



NEWKAO

SUSTAINABLE KAOLIN



“Making regenerated
silicates a mainstream
choice for construction”

100%

Regenerated
Material

55%

Lower
CO₂ emissions



Phone

+65 6653 2299



Location

101, Tuas South Avenue 2,
Singapore 637226



Email

info@env-solutions.com



Website

www.env-solutions.com

ABOUT SUSTAINABLE KAOLIN

NEWKAO is an innovative, eco-friendly aggregate regenerated from spent catalysts, designed for use in road subgrades and as a high-performance filler in construction materials. Offering the strength and durability of traditional kaolin, NEWKAO also supports sustainable practices by repurposing industrial waste into valuable resources. Its silicate composition enhances the structural integrity of concrete and cement while maintaining chemical inertness, ensuring compatibility with various formulations. By choosing NEWKAO, builders and developers contribute to reducing environmental impact, minimizing reliance on natural aggregates, and supporting a circular economy in construction.

A SUSTAINABLE ALTERNATIVE



Circular Economy: Regenerated from spent catalysts, NEWKAO reduces industrial waste impact.



Versatile Applications: Ideal for road subgrades and construction aggregates, enhancing strength and durability.



Eco-Friendly: Reduces natural resource extraction and lowers carbon emissions.

Contact us for free samples today



NEWSPAR

SUSTAINABLE FLUOSPAR



"NEWSPAR Delivers Sustainability & Performance"

100%	Regenerated Material
48%	Lower CO ₂ emissions



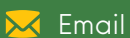
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ABOUT SUSTAINABLE CAF₂

NEWSPAR is a high-quality recycled metallurgical grade fluospar product designed to meet the stringent needs of industrial applications while championing sustainability. Derived from a rigorous recycling process, NEWSPAR offers an environmentally friendly alternative to traditionally mined fluospar, reducing your environmental footprint without compromising performance.

WHY CHOOSE NEWSPAR?



Circular Economy: Regenerated from hydrofluoride by products, NEWSPAR reduces industrial waste impact.



Superior Performance: High-quality, reliable results for steel, glass, and ceramics industries.



Versatile Applications: Multi-purpose solution tailored to key industrial needs such as Steel, Ceramics, Building Materials



Eco-Friendly: Reduces natural resource extraction and lowers carbon emissions.

Contact us for free samples today



**"Positive Impacts
with exceptional
performance"**

30%

Cost Savings

70%

Lower
CO2 emissions



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- Shunt (bypass) with the flow of blood and can be defined:
 - Shunt (bypass) means that the blood flow in one vessel goes in the other way from the normal way and it is
 - Left to right shunt: oxygenated blood flows from aorta into ventricles
 - Right to left shunt: deoxygenated blood flows from ventricles into aorta
 - Left to left shunt: oxygenated blood flows from aorta into aorta
 - Right to right shunt: deoxygenated blood flows from ventricles into ventricles

- Cause airway obstruction
- Cause air inflation
- High airway pressure
- High airway pressure
- High airway pressure

- We can see plants are more likely to grow in soil with higher water content.
- The percentage of water in soil will increase as we move from the top of the mountain down to the bottom.

ABOUT SUSTAINABLE CAO H

NEWLIME is an innovative circular calcium hydroxide created from industrial by-products. Through advanced recovery processes, we transform manufacturing by products into a high-quality, sustainable product that reduces environmental impact while delivering exceptional performance.

WHY CHOOSE NEWLIME?



Circular Economy: Embodies the principles of the circular economy by repurposing waste and extending the lifecycle of industrial resources.



Superior Performance: Engineered to meet industry standards, NEWLIME offers reliable and consistent results



Versatile Applications: Perfect for industries such as construction, water treatment, and chemical manufacturing, sustainability meets functionality.



Eco-Friendly: Reduces natural resource extraction and lowers carbon emissions.

Contact us for free samples today



NEWEARTH

EARTH'S SUSTAINABLE MATERIAL



"High-performance,
eco-friendly earth
material"

30%

Cost Savings

50%*

Lower
CO2 emissions



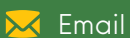
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ABOUT SUSTAINABLE NEWEARTH

NewEarth is ESA's latest breakthrough in sustainable material innovation, transforming Spent Bleaching Earth and Diatomaceous Earth into a high-performance, eco-friendly earth material. Designed for construction, land rehabilitation, and industrial applications, NewEarth diverts waste from landfills and repurposes it into a valuable, stabilized, and reusable resource.

WHY CHOOSE NEWEARTH?



Circular Economy: Embodies the principles of the circular economy by extending the lifecycle of industrial resources.



Purity and Reliability: Blended & stabilized for enhanced durability and safety. Tested for consistency to meet industrial and environmental standards



Versatile Applications: Sustainable alternative for fill, aggregates, and soil stabilization. Ideal for landscaping, erosion control, and soil remediation



Eco-Friendly: Regenerated NEWEARTH reduces the need for virgin material extraction and prevent landfill emissions. Lowering carbon emissions.

Contact us for free samples today

*estimated up to



NEWCHEM

SUSTAINABLE SULFURIC ACID

“High Purity and
Reliability with
sustainability”

20%

Cost Savings

40%*

Lower
CO2 emissions

Phone

+65 6653 2299

Location

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ABOUT SUSTAINABLE H₂SO₄

NEWCHEM is our sustainable sulfuric acid, with concentrations ranging from **30% to 60%**, offers an eco-friendly alternative for industries seeking to minimize their environmental footprint without compromising on performance.

WHY CHOOSE NEWCHEM?



Circular Economy: Embodies the principles of the circular economy by extending the lifecycle of industrial resources.



Purity and Reliability: Meets industry standards to deliver consistent performance for your manufacturing processes.



Versatile Applications: Perfect for industries such as waste water treatment, fertiliser production, metal processing and chemical manufacturing, sustainability meets functionality.



Eco-Friendly: Regenerated sulfuric acid reduces the need for virgin production, lowering carbon emissions significantly.

Contact us for free samples today

*estimated up to