

**FILCHEM AUSTRALIA  
MATERIAL SAFETY DATA SHEET**

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Date of revision: March 2013

**Section 1: IDENTIFICATION OF MATERIAL & SUPPLIER**

**Product Name:** AquaCel  
**Chemical Name:** Silica (Silicon Dioxide)  
**Products:** Flux-Calcined Diatomaceous Earth  
**Uses:** Filter powder for swimming pool filters  
**Supplier:** Filchem Australia Pty Ltd. A.C.N. 003 078 117  
**Address:** Unit 2/7 Salisbury Rd, Castle Hill, NSW 2154  
**Telephone:** 02 9899 4633  
**Manufacturer:** Celite Corporation USA

**Section 2: HAZARDS IDENTIFICATION**

**Hazardous by inhalation according to criteria of NOHSC.**  
**Risk Phrase:** May cause cancer by inhalation  
**Safety Phrase:** Do not breathe dust. Avoid contact with eyes.

**Section 3: COMPOSITION, INFORMATION ON INGREDIENTS**

<u>Chemical entity:</u>	<u>CAS No:</u>	<u>PROPORTION</u>
Flux-calcined diatomaceous earth	68855-54-9	100%
Cristobalite	14464-46-1	< 50%
Quartz	14808-60-7	< 4%

**Section 4: FIRST AID MEASURES**

**Swallowed:** No hazard anticipated from ingestion.  
**Eye:** Do not rub eyes. Flush eyes with copious amounts of water to remove any dust particles. Consult physician if irritation persists.  
**Skin:** Wash to remove dust. Consult physician if irritation persists.  
**Inhaled:** Remove to fresh air; drink water to clear throat; blow nose to evacuate dust. Consult physician if irritation persists.  
**First aid facilities:** Eye wash, shower  
**Advice to doctor:** Describe symptoms. Show this MSDS to medical practitioner.

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**Section 5: FIRE FIGHTING MEASURES**

- **THIS PRODUCT IS NOT FLAMMABLE**

**Suitable extinguishing media:** Not Applicable – non flammable

**Hazards of Use / Storage:** Stable, non oxidizing, non flammable.

**Explosion hazard:** None

**Hazchem Code:** Not Applicable.

**Other Information:** Non-flammable

**Section 6: ACCIDENTAL RELEASE MEASURES**

**Clean Up Spills / Leaks:** Wear protective equipment. Seal broken bags immediately.  
Dispose of spilled product in a sealed container.

**Precautions for Clean Up:** Avoid creating unnecessary dust. Vacuum or wet sweep.

**Disposal Methods:** Not considered as hazardous waste. Dispose in approved landfill.

**Section 7: HANDLING & STORAGE**

**Handling precautions:** Should be handled carefully to avoid damaging bags, resulting in spills and the creation of dust. Repair broken bags immediately.

**Storage:** No special requirements

**Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Exposure standards:** Quartz; TWA concentration: 0.1 mg/cu. metre respirable mass.

Cristobalite; TWA concentration: 0.1 mg/cu. metre respirable mass.

**Engineering controls:** Adequate ventilation and dust collection to keep dust levels below TWA.

**Personal protection**

**Respirator type:** < 10 x PEL; Class P2 (eg 3M 8210) dust respirator.

10 - 50 x PEL; Full face respirator with P2 filters.

50 - 200 x PEL; Full face, positive pressure respirator with P2 filters.

**Glove type:** Not normally required

**Eye protection:** Wear safety goggles or a face shield to protect eyes from nuisance dust

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**Section 9: PHYSICAL & CHEMICAL PROPERTIES**

<b>Appearance:</b>	<b>Fine white - pink coloured powder</b>
<b>Odour:</b>	<b>Odourless</b>
<b>pH</b>	<b>6 – 8</b>
<b>Vapour Pressure &amp; density:</b>	<b>Not Applicable</b>
<b>Boiling Points:</b>	<b>Not Applicable</b>
<b>Melting point:</b>	<b>Not applicable</b>
<b>Solubility in Water:</b>	<b>Negligible</b>
<b>Specific Gravity:</b>	<b>approx 2-2.5 (water = 1.0)</b>
<b>Flashpoint:</b>	<b>Not Applicable</b>
<b>Flammability Limits:</b>	<b>Non combustible</b>
<b>Bulk Density:</b>	<b>approx 300-400kg/m<sup>3</sup></b>

**Section 10: STABILITY & REACTIVITY**

<b>Chemical Stability:</b>	<b>Stable</b>
<b>Conditions to avoid:</b>	<b>None in designed use.</b>
<b>Incompatible materials:</b>	<b>Hydrofluoric acid</b>
<b>Decomposition products:</b>	<b>No hazardous decomposition products.</b>
<b>Hazardous reactions:</b>	<b>No hazardous reactions.</b>

**Section 11: TOXICOLOGICAL INFORMATION**

**This product contains crystalline silica (CS) which is considered hazardous by inhalation. IARC has classified CS as carcinogenic for humans (Group 1). CS is also a known cause of silicosis, a non cancerous lung disease.**

**Section 12: ECOLOGICAL INFORMATION**

**Generally considered chemically inert in the environment. Used material which has become contaminated may have significantly different characteristics based on the contaminant and should be evaluated accordingly.**

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**Section 13: DISPOSAL CONSIDERATIONS**

**Disposal Methods:** Not considered as hazardous waste. Dispose in approved landfill. Used material may have significantly different characteristics & should be evaluated accordingly

**Section 14: TRANSPORT INFORMATION**

**UN Number:** NA  
**UN Shipping Name:** NA  
**Class & Subsidiary risk:** NA  
**Packing Group:** NA  
**Special precautions:** Use care to avoid damage, which may cause powder spills / dust.  
**Hazchem code:** NA

**Section 15: REGULATORY INFORMATION**

Material is considered hazardous by inhalation. See Sections 2 & 11

**Section 16: OTHER INFORMATION**

**Date of issue:** April 2008, Revised/Updated March 2013  
**Data source:** Celite Corporation MSDS # 2300 rev. 7, 7/11/2006

**Contact Point:** Filchem Australia P/L  
**Telephone:** (02) 9899 4633 (business hours)