



# MATERIAL SAFETY DATA SHEET

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## COMPANY DETAILS

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## EMERGENCY NO'S:

**SOUTH AFRICA:** 082 651 5266  
 +27 11 254 5500

**INTERNATIONAL:**  
**CHEMTREC** +1 703 527 3887

**NOTE:** The Chemtrec Transportation Emergency Phone is to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.

## 1. PRODUCT AND COMPANY IDENTIFICATION:

Trade Name: Euco Thin Patch 514  
 Product Code: TR5109650

## 2. PRODUCT COMPOSITION:

<u>Chemical Name:</u>	<u>CAS-No.</u>	<u>Weight %</u>
Crystalline Silica (Quartz) Silica Sand	14808-60-7	40.0 - 70.0
Portland Cement	65997-15-1	30.0 - 60.0

## 3. HAZARDOUS IDENTIFICATION:

**Emergency Overview:** Gray. Powder. Dust may irritate nose and throat. Dust irritating to the respiratory tract. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.

**Acute potential effects:**

**Inhalation:** Dust may irritate nose and throat. Dust irritating to the respiratory tract.

**Eyes:** Direct contact may cause severe irritation. May cause mechanical irritation or abrasion, and possible chemical burns. May cause temporary injury.

**Ingestion:** May cause irritation to the mouth, throat and stomach. May cause gastrointestinal irritation, nausea and vomiting.

**Skin:** May cause severe irritation. May cause dryness, cracking, irritation and chemical burns. May produce cement dermatitis due to primary irritation from alkaline, hygroscopic and abrasive properties.

**Aggravated medical conditions:** Pre-existing eye, skin and respiratory disorders may be aggravated by exposure.

**Chronic Health Effects:** Inhalation of crystalline silica (quartz) can cause cancer based on animal data, and IARC concludes sufficient evidence in humans (Group 1). Prolonged and repeated overexposure to free crystalline silica dust above the TLV level may cause scarring of the lungs with cough and shortness of breath. A delayed lung injury, silicosis may result from breathing free silica.

## 4. FIRST AID MEASURES:

**Get immediate medical attention for any significant overexposure.**

**Inhalation:** Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.

**Eye contact:** Flush with water for at least 15 minutes while holding eye lids apart. Get medical attention immediately.

**Skin Contact:** Clean area of contact thoroughly using soap and water. If irritation, rash or other disorders develop, get medical attention immediately.

**Ingestion:** Do not induce vomiting unless advised by a physician. Call nearest Poison Control Centre or Physician immediately.

**5. FIRE FIGHTING MEASURES:**

<b>Flash Point Method:</b>	N/A
<b>Lower Explosive Limit %:</b>	N/A
<b>Upper Explosive Limit %:</b>	N/A
<b>Autoignition Temperature:</b>	N/A
<b>Extinguishing Media:</b>	This product is not expected to burn under normal conditions of use. Use that which is appropriate to the surroundings.
<b>Hazardous Combustion Products:</b>	N/A
<b>Protective Equipment for Firefighters:</b>	N/A. Product is not expected to burn.
<b>Fire and Explosion Conditions:</b>	This product is not expected to ignite under normal conditions of use.

**6. ACCIDENTAL RELEASE MEASURES:**

Use appropriate protective equipment. Avoid contact with material. Dampen material with water to control dusting. Scoop up and transfer to appropriate container for disposal. Flush spill area with water.

**7. HANDLING AND STORAGE:**

Prevent inhalation of dust and contact with skin and eyes. Clean hands thoroughly after handling. Precautions also apply to emptied containers. Personal protective equipment must be worn during maintenance or repair of contaminated mixer, reactor or other equipment. Store in sealed containers in a cool, dry, ventilated warehouse location.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION:****Personal Protection Equipment:**

**Respiratory protection:** Wear appropriate, properly fitted NIOSH / MSHA approved dust respirator where airborne concentrations are expected to exceed exposure limits indicated on the MSDS. Follow manufacturer's directions for respirator use.

**Hand protection:** Use suitable impervious rubber or vinyl gloves and protective apparel to reduce exposure.

**Eye protection:** Wear appropriate eye protection. Wear chemical safety goggles and/or face shield to prevent eye contact. Do not wear contact lenses. Do not touch eyes with contaminated body parts or materials. Have eye washing facilities readily available.

**Skin and body protection:** Prevent contact with shoes and clothing.

**Protective measures:** Use professional judgment in the selection, care and use. Wear gloves, head coverings and full body clothing as necessary to prevent skin irritation. Washable or disposable clothing may be used. Do not take unwashed clothing home. Work clothes should be washed separately from other clothing and the washing machine rinsed thoroughly following use. Inform the launderer of the proper procedures. Store work clothes and street clothes separately to prevent contamination.

**Engineering measures:** Use only in well ventilated areas. Provide maximum ventilation in enclosed areas. Use local exhaust when the general ventilation is inadequate.

**Exposure Limits:**

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Regulation</u>	<u>Limit</u>	<u>Form</u>
Crystalline Silica (quartz) Silica Sand	14808-60-7	OSHA TWA	0.1 mg/m <sup>3</sup>	Respirable
		OSHA TWA	0.3 mg/m <sup>3</sup>	Total dust
		OSHA PEL	15 mg/m <sup>3</sup>	Total dust
		OSHA PEL	5 mg/m <sup>3</sup>	Respirable fraction
		ACGIH TWA	0.025 mg/m <sup>3</sup>	Respirable fraction
Portland Cement	65997-15-1	OSHA PEL	5 mg/m <sup>3</sup>	Respirable fraction
		OSHA PEL	15 mg/m <sup>3</sup>	Total dust
		ACGIH TWA	1 mg/m <sup>3</sup>	Respirable fraction

**9. PHYSICAL AND CHEMICAL PROPERTIES:**

<b>Form:</b>	Powder	<b>Colour:</b>	Grey
<b>Odor:</b>	None	<b>pH:</b>	N/A
<b>Vapour Pressure:</b>	N/A	<b>Vapour Density:</b>	N/A
<b>Melting Point / Range:</b>	N/A	<b>Freezing Point:</b>	N/A
<b>Boiling Point / Range:</b>	N/A	<b>Water Solubility:</b>	Miscible
<b>Specific Gravity:</b>	2.6	<b>% Volatile Weight</b>	0.0%

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<b>10. STABILITY AND REACTIVITY:</b>			
<b>Substances to avoid:</b>	N/A		
<b>Stability:</b>	Material is stable under normal storage, handling and use.		
<b>Hazardous polymerization:</b>	Will not occur under normal conditions.		
<b>11. TOXICOLOGICAL INFORMATION:</b>			
No data available			
<b>12. ECOLOGICAL INFORMATION:</b>			
No data available			
<b>13. DISPOSAL CONSIDERATIONS:</b>			
<b>Disposal method:</b>	Not regulated under RCRA. Dispose of in compliance with state and local regulations. Do not incinerate.		
<b>14. TRANSPORT INFORMATION:</b>			
<b>CFT / DOT:</b>	Not regulated.		
<b>TDG:</b>	Not regulated		
<b>IMDG:</b>	Not regulated		
<b>15. REGULATORY INFORMATION:</b>			
North American Inventories.			
All components are listed or exempt from the TSCA inventory. This product or its components are listed on, or exempt from the Canadian Domestic Substances List.			
<b>US Federal Regulations:</b>			
<b>SARA 313 Components:</b>	None present or none present in regulated quantities.		
<b>SARA 311/312 Hazards:</b>	Acute health hazard. Chronic health hazard.		
<b>OSHA Hazardous Components:</b>			
<b>Crystalline Silica (Quartz) / Silica Sand</b>	14808-60-7		
<b>Portland Cement</b>	65997-15-1		
<b>OSHA Status: Considered hazardous based on the following criteria:</b>	Irritant Carcinogen		
<b>OSHA Flammability:</b>	Not regulated		
<b>Regulatory VOC (less water and exempt solvent)</b>	0 g/l		
<b>VOC Method 310</b>	0%		
<b>Chemical is listed as an IARC, NTP, OSHA or ACGIH Carcinogen:</b>			
<b>Crystalline Silica (Quartz) / Silica Sand</b>	14808-60-7		
<b>US State Regulations:</b>			
<b>Mass RTK Components:</b>	Crystalline Silica (Quartz) / Silica Sand	14808-60-7	
	Portland Cement	65997-15-1	
<b>Penn RTK Components:</b>	Crystalline Silica (Quartz) / Silica Sand	14808-60-7	
	Portland Cement	65997-15-1	
<b>NJ RTK Components:</b>	Crystalline Silica (Quartz) / Silica Sand	14808-60-7	
	Portland Cement	65997-15-1	
<b>Components under California Proposition 65:</b>			
Warning! Contains chemicals known to the State of California to cause cancer, birth defects and/or other reproductive harm.			
<b>16. OTHER INFORMATION:</b>			
<b>HMIS Rating:</b>		<b>Flammability:</b>	0
<b>Health</b>	2	<b>PPE</b>	
<b>Reactivity:</b>	0		
<b>Further Information:</b>	For individual use only. Keep out of reach of children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.		

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