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	MATERIAL SAFETY DATA SHEET	
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----- I. PRODUCT IDENTIFICATION -----

TRADE NAME (as labeled): LATICRETE® Permacolor™ Grout

CHEMICAL FAMILY: Proprietary powder

MANUFACTURER'S NAME: LATICRETE INTERNATIONAL, INC.
 1 Laticrete Park, N.
 Bethany, CT 06524-3423 USA

Phone number for additional information: (203) 393-0010 or website :www.laticrete.com

Date prepared or revised: 08/12 Name of preparer: B. Osinski

----- II. HAZARDOUS INGREDIENTS -----

CHEMICAL NAMES	CAS NUMBERS	PERCENT	ACGIH TLV	OSHA PEL	OTHER (SPECIFY)
Portland Cement	65997-15-1	1-20	10 mg/m ³	50mppcf	
Aluminate Cement	65997-16-2	10-30	3 mg/m ³	5 mg/m ³	
Calcium Sulfate	7778-18-9	3-10	10 mg/m ³	15mg/m ³	
Silica Sand	14808-60-7	50-65	N/A	0.1mg/m ³	
Calcium hydroxide	1305-62-0	0-2	5 mg/m ³	N/A	
Lithium carbonate	554-13-2	0-0.2	N/A	N/A	

N/A = Not applicable or available

----- III. HEALTH HAZARD INFORMATION -----

SYMPTOMS OF OVEREXPOSURE for each potential route of exposure. (Possible Longer Term Effect)
 Chronic Bronchitis, possible silicosis, or cancer if exposed to greater than permissible limits for a prolonged period of time. Exposure to more than 5 mg/m³ without protection may cause birth defect in pregnant women.

SUSPECTED CANCER AGENT?

NO: This product's ingredients are not found in the lists below.

YES: Federal OSHA NTP IARC

-----IV. FIRST AID: EMERGENCY PROCEDURES-----

Eye Contact: Hold eyelids apart and immediately flush eyes with plenty of water. Get medical attention.
 Skin Contact: Wash off in flowing water or shower. See a physician if irritation persists.
 Inhaled: Remove to fresh air. Seek medical attention if necessary.
 Swallowed: Seek immediate medical attention.



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----- V. FIRE AND EXPLOSION -----

Flash Point method): N/A

Auto ignition temperature, °F: NA

Flammable limits in air, volume %: Lower (LEL) _____ Upper (UEL)

Fire extinguishing materials:

water spray carbon dioxide _____ other:
 foam dry chemical

Special fire fighting procedures: Wear positive pressure self-contained breathing apparatus.

Unusual fire and explosion hazards: This product will not burn. Use appropriate techniques to fight surrounding fires.

----- VI. SPILL, LEAK, AND DISPOSAL PROCEDURES -----

Spill response procedures (include employee protection measures): dust masks, safety glasses, and long sleeved clothing; avoid the generation of dust. Vacuum or shovel material and place in a closed container.

Preparing wastes for disposal (container types, neutralization, etc.): N/A

NOTE: Dispose of all wastes in accordance with federal, state and local regulations.

-----VII. Handling and Storage-----

Wear dust masks, safety glasses, and long sleeved clothing when handling. Store in dry, well ventilated areas.

----- VIII. Exposure Controls and Personal Protection -----

Ventilation and engineering controls: Normal

Respiratory protection (type): NIOSH approved dust masks if exposure limits are exceeded.

Eye protection (type): Safety glasses or goggles

Gloves (specify material): Impervious gloves

Other clothing and equipment: Long sleeved clothing

Work practices, hygienic practices: Normal Good housekeeping

Other handling and storage requirements: N/A

Protective measures during maintenance of contaminated equipment: See above

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----- IX. PHYSICAL PROPERTIES -----

Vapor density (air=1): _____ Melting point or range, °F: NA

Specific gravity: 1.48 [g/ml] _____ Boiling point or range, °F: NA

Solubility in water: partially soluble _____ Evaporation rate (): NA

Vapor pressure, mmHg at 20°C: NA

Appearance and odor: white or colored odorless powder

HOW TO DETECT THIS SUBSTANCE (warning properties of substance as a gas, vapor, dust, or mist): N/A

----- X. REACTIVITY DATA -----

Stability: _____ x Stable _____ Unstable

Conditions to avoid: NA

Incompatibility (materials to avoid): None known

Hazardous decomposition products (including combustion products): Combustion products may include hydrogen sulfide, carbon monoxide, and carbon dioxide

Hazardous polymerization: _____ May occur x Will not occur

Conditions to avoid: None known

----- XI. Toxicology Information -----

Inhalation; Breathing silica dust may not cause noticeable injury or illness even though permanent lung damage may be occurring. Inhalation of dust may have the following serious chronic health effects:

Silicosis:

Excessive inhalation of respirable crystalline silica dust may cause a progressive, disabling and sometimes fatal lung disease called silicosis. Symptoms include cough, shortness of breath. Wheezing, non-specific chest illness and reduced pulmonary function. This disease is exacerbated by smoking. Individuals with silicosis are predisposed to develop mycobacterial infections, (tuberculous and non-tuberculous) and fungal infections. Inhalation of air with a very high concentration of respirable silica dust can cause the most serious forms of silicosis in a matter of months or a few years. Some epidemiologic studies have concluded that there is significant risk of developing silicosis even at airborne exposure levels that are equal to the recommended NIOSH, REL, the ACGIH TLV, the OSHA PEL, and the MSHA Exposure Limit.

Then: is some evidence that breathing respirable crystalline silica or the disease silicosis is associated with an increased incidence of significant disease endpoints such as scleroderma (an immune system disorder manifested by fibrosis of the lungs. skin and other internal organs) rheumatoid arthritis. systemic lupus, erythematosis, sarcoidosis, chronic bronchitis, chronic



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obstructive pulmonary disease (COPD). emphysema. chronic kidney disease and end-stage renal disease.

-----XII. Ecological Information-----

N/A

-----XIII. Disposal Information-----

Dispose in compliance with local, state, and federal regulations. Spilled product can be recovered and re-used.

-----XIV. Transport Information-----

No Placarding required

-----XV. Regulatory Information-----

All ingredients are listed on the U.S. EPA TSCA inventory of chemical substances.

This product contains a chemical known to the State of California to cause cancer or reproductive harm.

-----XVI Other Information-----

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