

Eurostone Perlite Ceiling Panels - Material Safety Data Sheet

Section I - Supplier Information

Common name: Eurostone™ Perlite Ceiling Panels
Chemical name: Amorphous alumino - silicate mineral
CAS #: None
Manufacturer: CMC Productos Perlita S.de R.L.de C.V..
Address: P.O. Box 4618, Brownsville, TX 78523 USA.
Telephone: USA 800-323-7164 Mexico (011 52) 868 810 0271

Revision Date: December 10, 2002

Section II - Hazardous Ingredient Information

<u>INGREDIENT</u>	<u>CAS #</u>	<u>OSHA - PEL</u>	<u>ACGIH TLV-TWA</u>	<u>WT% IN TILE</u>
Perlite (expanded)	93763-70-3	15 mg/m ³ total 5 mg/m ³ Respirable	10 mg/m ³ total. 3 mg/m ³ Respirable	50-70
Sodium Silicate	1344-09-8	Not established		15-30
Kaolin	1332-58-7	15 mg/m ³ total 5 mg/m ³ Respirable	2 mg/m ³ Respirable	5 - 15

This product may contain crystalline silica (quartz) as an impurity, < 0.5%. CAS No. 14808-60-7; OSHA PEL 0.1 mg/m³ Respirable.

Section III - Physical/Chemical Characteristics

Specific Gravity (water = 1) - 0.36 Vapor pressure (mm Hg) - not applicable
Boiling point - not determined Vapor density (air = 1) - not applicable
Melting point - not determined Evaporation rate (Butyl acetate = 1) - not applicable
Appearance and odor - White odorless lightweight molded panel, 24" x 24" x 7/8" with distinctive surface designs.

Section IV - Fire and Explosion Hazard Data

Flash point - nonflammable L.E.L. - not applicable
Auto ignition - not applicable U.E.L. - not applicable
Extinguishing Media - Does not burn nor support combustion, therefore as appropriate for surrounding combustibles.
Special fire fighting procedures - none
Unusual fire & explosion hazard - none
Note: EUROSTONE All-Environment Ceilings are rated 0-0-0-0 for NO smoke, NO fuel, NO flame spread (ASTM E84 & 1354) and NO toxicity in a fire situation (based on University of Pittsburgh Toxicity Test).

Section V - Reactivity Data

Stability - Stable - hazardous polymerization will not occur.
Conditions to avoid - None in designed use.
Incompatibility - None in common use.

Hazardous decomposition products - No hazardous decomposition or by-products are expected in normal use. Avoid contact with hydrofluoric acid which may react with Eurostone to form toxic silicon tetrafluoride gas.

Section VI - Health Hazard Data

Routes of entry:	Eyes – yes	Skin – no	Inhalation – yes	Ingestion - yes
Health hazard (acute & chronic)	Skin or eye contact may cause mechanical irritation from abrasion. Long term exposure to silica may cause silicosis, a form of pulmonary fibrosis.			
Carcinogenicity:	None of the raw materials used to make EUROSTONE (i.e. Perlite, Sodium Silicate, Kaolin) have been classified as a carcinogen by NTP or OSHA. However, crystalline silica (quartz) which is a naturally occurring impurity in Perlite and Kaolin and may be present in quantities from 0.0% to 0.5% has been classified as a known human carcinogen, group 1, by IARC, (a unit of the World Health Organization) and by NTP.			
Medical conditions aggravated by exposure:	Pre-existing upper respiratory and lung diseases such as, but not limited to, bronchitis, emphysema and asthma Target organs: Lungs, eyes. Route of entry: Inhalation, dust contact with eyes. Acute health effects: Transitory upper respiratory irritant. May cause coughing or throat irritation. Chronic health effects: Excessive inhalation of any mineral dust can overload the lung clearance mechanism.			

Emergency & First Aid Procedures:

Eye Contact: Flush with copious amounts of clean water to remove particle - consult physician.

Inhalation: Remove to fresh air, blow nose to evacuate dust, drink water to clear throat.

Ingestion: Call physician.

Section VII - Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled:

Sweep up solids and vacuum dust.

Waste disposal method:

To land fill in accordance with Federal, State, Provincial and local regulations. Can be ground-up and used as soil conditioner depending on local regulations.

Precautions when handling and storing:

Use hand-holds when carrying boxes, store vertically in dry place. Avoid breathing dust, use adequate ventilation.

Other precautions:

Use NIOSH approved dust mask and safety eye wear when cutting and installing panels. When possible, avoid using power tools unless they are connected to a dust collector.

Section VIII - Control Measures

Respiratory protection:

Use NIOSH approved dust mask.

Ventilation:

Keep work area adequately ventilated to ensure exposure limits are not exceeded.

Protective gloves and other clothing:

No special requirement.

Eye protection:

Safety glasses or vented goggles.

Work-hygienic practices:

Use good industrial hygiene, wash thoroughly with soap and water before eating, drinking, or using tobacco products.
