Material Safety Data Sheet

SECTION I - PRODUCT AND PREPARATION INFORMATION

Trade Name ..... : ENVIROWALL VINYL PANELS
Synonym ..... : VINYLBOARD
Chemical Name & Synonyms ..... : CALCIUM SULFATE DIHYDRATE
CAS Number ..... : NAP

Manufacturer
ENVIROWALL
PARTITION SYSTEMS LTD.
60 Torlake Crescent
Toronto, Ontario
M8Z 1C2

Preparation Date
June 23, 2008

Name of Preparer
Bryce Clark
ENVIRONMENTAL COORDINATOR

Chemical Family ..... : HYDRATED ALKALINE
Formula ..... : MIXTURE
PIN Number ..... : NAP
TDG Shipping Name .. : NAP
TDG Hazard Class ..... : NAP
WHMIS Class ..... : NOT A CONTROLLED PRODUCT

Hazard Rating

Health	: 1
Flammability	: 0
Reactivity	: 0

Product Use
VINYL PANELS ARE THE INTERIOR DESIGNER'S CHOICE FOR APPEALING AND DURABLE INTERIOR WALLS. AVAILABLE IN A WIDE SELECTION OF TEXTURES, FINISHES, AND COLOURS.

SECTION II - HAZARDOUS INGREDIENTS

Chemical Identity	CAS Number	% By Weight
GYPSUM	10101-41-4	68 - 88%
LIMESTONE	1317-65-3	2 - 19%
PAPER	9004-34-6	5 - 6%
CRYSTALLINE SILICA	14808-60-7	1 - 2%
PVC FILM OR SHEET	NAV	2 - 4%

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SECTION III - PHYSICAL DATA

Physical state (room temperature)	: Solid
Odour and appearance	: Vinyl covered board with grey to white core, primarily gypsum.
Odour threshold	: NAP
Boiling point	: NAP
Freezing point	: NAP
Percent volatile by volume	: NAP
Specific gravity	: 2.5
Evaporation rate	: NAP
Vapour pressure	: NAP
Vapour density	: NAP
pH	: 7.5
Coefficient of water/oil distribution	: 0.2% by wt.

SECTION IV - FIRE OR EXPLOSION HAZARDS

Conditions of flammability	: Not flammable
Extinguishing media	: Core is noncombustible use water for paper.
Hazardous combustion products	: Carbon monoxide and carbon dioxide.
Special fire fighting procedures	: NONE
Flash point & method of determination	: NAP
Upper flammable limit	: NAP
Lower flammable limit	: NAP
Auto-ignition temperature	: NAP
Explosion data sensitivity to mechanical impact	: NAP
Explosion data sensitivity to static discharge	: NAP

SECTION V - REACTIVITY DATA

Stability	: Stable material.
Conditions to avoid	: Strong acids, reaction with strong acids will generate carbon dioxide.
Incompatible substances	: NONE
Hazardous decomposition products	: NONE
Hazardous polymerization	: Will not polymerize.

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SECTION VI - TOXICOLOGICAL PROPERTIES

Route of entry..... : Skin contact [ ] Skin absorption [ ]
Eye contact [X] Ingestion [ ]

Effects of acute exposure : Irritation of nose, throat and lungs from excessive exposure to dust.

Effects of chronic exposure : Chronic overexposure to dust containing respirable sized Crystalline Silica (quartz Cristobalite and Tridymite) can cause delayed lung injury (Silicosis).

Point of attack : Respiratory system and lungs.

Route of entry : Inhalation.

Inhalation of dust containing Crystalline Silica may contribute to pre-existing pulmonary diseases such as asthma and lung disorders associated with the smoking of tobacco. Some recent research on Cancer (IARC) to categorize Crystalline Silica as a 2A carcinogen.
A 2A carcinogen is one which:
1) There is sufficient evidence for the carcinogenicity to experimental animals.
2) There is limited evidence of the carcinogenicity to humans.

<u>Toxicity Data</u>:

Quartz : TCL0 - 16 mppcf/8H/17.9Y-1
Inhalation Human

Cristobalite : TCLo - 16 mppcf/8H/17.9Y-1
Inhalation Human

Tridymite : TCLo - 16mppcf/8H/17/9Y-1

Note : LD50 and LC50 are not available.

In contradiction to IARC's categorization of Crystalline Silica as a 2A carcinogen, there is a considerable informed scientific body, which strongly disagree with such a view.
A recent literature survey, entitled "Literature Survey of the Crystalline Silica," by Dr. Karen Hagelstein of Steffan, Robertson and Kristen, consulting engineers, 1412, 40th Place N.E., Bellview, Washington, 98007, USA, reveals some of the extent of the disagreement.

Chemical Component	TWA	ACGIH TLV	LC50	LD50	IDLH
Gypsum	NAV	10mg/m3	NAV	NAV	NAV
Limestone	NAV	10mg/m3	NAV	NAV	NAV
Paper	NAV	10mg/m3	NAV	NAV	NAV
Crystalline Silica	NAV	0.1mg/m3	NAV	NAV	NAV
PVC Film or Sheet	NAV	NAV	NAV	NAV	NAV

Irritancy : Irritation of eyes, nose, throat, and lungs from excessive or continuous exposure to dust.

Sensitization : Skin sensitivity may occur with allergic individuals. First aid consists of washing dust away.

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Carcinogenicity : This product contains small amounts of Crystalline Silica, which is only considered a hazard by inhalation. Crystalline Silica is a known cause of silicosis, a non-Cancerous lung disease. IARC has determined that there is sufficient evidence that Crystalline Silica causes Cancer in laboratory animals and that there is limited evidence that in causes Cancer in humans. None of the other components of this product is listed as a carcinogen by IARC, NTP, OSHA, or ACGIH.

Reproductive toxicity : NAP

Teratogenicity : NAP

Mutagenicity : NAP

Toxicologically Synergistic Products : NAP

Hand Protection : Use gloves, wash hands with soap and water after use.

Eye Protection : Use goggles with side shields.

Respiratory Protection : NIOSH approved dust mask (respirator) for nuisance dust.

Body Protection : None required.

Foot Protection : Use safety boots.

Ventilation Controls : General and/or local ventilation must be provided to control airborne dust levels below the exposure guidelines. If solvent based lamination adhesives are used to apply gypsum board, sufficient ventilation is requred to reduce solvent vapours to below one-half threshold limit values (TLV).

Steps to be Taken In Case of a Leak or Spill : Sweep up solids and vacuum dust.

Waste Disposal Methods : To sanitary landfill, in accordance with federal, state, provincial, and local regulations.

PRECAUTIONS TO BE TAKEN in Handling and Storing: Store in a dry place, avoid moisture to maintain product quality as manufactured. When wet, gypsum board will lose strength, but will regain satisfactory strength upon drying.

Special Shipping Requirements : None required.

SECTION VIII - FIRST AID MEASURES

Skin Contact : Wash skin with soap and water.

Eye Contact : Wash thoroughly with water. If irritation persists, get medical attention.

Inhalation : Remove to fresh air.

Ingestion : Call physician.

DISCLAIMER

ENVIROWALL believes the above information to be reliable. Handling of this product shall be restricted to qualified persons. Users must make their own tests when mixing this product with any other product or using it in any process which may alter its properties. ENVIROWALL assumes no responsibility whatsoever from any such usage.

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