



Date Revised: 04/1/2008

SECTION I - PRODUCT AND COMPANY IDENTIFICATION

Identity: PABCO® GYPSUM WALLBOARD - REGULAR and FLAME CURB® TYPE X, PABCO® GYPSUM CEILING BOARD, PABCO® GYPSUM SHEATHING BOARD - REGULAR AND TYPE X, PABCO® MOLD CURB™ - REGULAR and FLAME CURB® TYPE X, PABCORE® GYPSUM SHAFTLINER BOARD TYPE X, PABCO® GYPSUM SOFFIT BOARD TYPE X, PABCO® WATER CURB® - REGULAR AND TYPE X, and DUNNAGE

Manufacturer's Name: PABCO Gypsum - Newark
37851 Cherry Street
P.O. Box 405
Newark, CA 94560

PABCO Gypsum - Las Vegas
P.O. Box 364329
North Las Vegas, NV 89036 - 8329

Product Information Telephone Number: **(800) 634-6601**

MSDS Information Telephone Number: **(702) 407-3725**

24-hour Emergency Contact Number: **CHEMTREC - (800) 424-9300**

SECTION 2 - PRODUCT AND COMPONENT DATA

<u>Ingredients</u>	<u>CAS Number</u>	<u>Wt. Percent</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>
Gypsum	10101-41-4	>85 %	10 mg/m ³ *	5 mg/m ³
Paraffin Wax	Mixture	<7 %	-	-
Paper (cellulose)	9004-34-6	<7 %	10 mg/m ³ *	5 mg/m ³
Starch	9005-25-8	<1 %	10 mg/m ³ *	5 mg/m ³
¹ Barium metaborate monohydrate	13701-59-2	<0.2 %	TWA: 0.5 mg/ cu m.	
Quartz (crystalline silica)	14808-60-7		0.1 mg/m ³	*

* Total dust. All others are respirable dust.

** Quartz is present as a naturally occurring component or mineral in gypsum ore. See Section III **HEALTH HAZARD & FIRST AID INFORMATION**

*** Respirable dust. Use the formula: OSHA PEL = 10 mg/m³ ÷ (%SiO₂ + 2)

Respirable Crystalline Silica (quartz): TLV = 0.1 mg/m³; OSHA PEL = 10 mg/m³ ÷ (%SiO₂ + 2)

Total Dust containing silica: OSHA PEL = 30 mg/m³ ÷ (%SiO₂ + 2)

¹ Busan11-M1 is added as mold inhibitor

SECTION 3 - HEALTH HAZARD & FIRST AID INFORMATION

CHRONIC HAZARDS:

Primary Route of Exposure: Inhalation

Exposure Limits: (Acceptable exposure levels for this product must be defined in the workplace due to the combination of silica and other constituents and condition of use.) Unless specified otherwise, limits are expressed as eight-hour Time-weighted averages (TWA). Limits for cristobalite and tridymite (other forms of crystalline silica) are equal to one-half of the limits for quartz.

Particulates or Dust: TLV - 10mg/m³ (total particulate) or 3mg/m³ (respirable particulate), not otherwise classified; OSHA PEL = 15 mg/m³ (total particulate, not otherwise regulated). OSHA PEL = 5 mg/m³ (respirable particulate, not otherwise regulated).

Abbreviations: TLV = threshold limit value of the American Conference of Governmental Industrial Hygienists (ACGIH); OSHA PEL = permissible exposure limit of the Occupation Safety and Health Administration (OSHA); mg/m³ = milligrams of substance per cubic meter of air.

SUBCHRONIC AND CHRONIC HEALTH EFFECTS:

Pulmonary Diseases: Excessive exposure to particulates (dust) over an extended period of time may result in the development of silicosis and other pulmonary diseases.

Carcinogenicity: In 1997, IARC has classified respirable crystalline silica (quartz) is a known carcinogen in humans.

See also: American Society for testing and Materials (ASTM) Standard practice E1132-86, "Standard Practice for Health Requirements Relating to Occupational Exposure to Quartz Dust."

Medical Conditions Aggravated by Exposure: Excessive dust exposure may aggravate any existing respiratory disorders or diseases. Possible complications of allergies resulting in irritation to skin, eyes and respiratory passage may occur from excessive exposure to dusts.

ACUTE HAZARDS:

Eye Contact: Direct contact with particles may cause mechanical irritation.

Skin Contact: This product is not toxic. Drywall dust may dry skin. This material exhibits some of affinity for moisture, and frequent exposures may have a drying effect on the skin. Possible itching and irritation may be experienced. This may lead to dermatitis.

Skin Absorption: Not expected to be a significant exposure route.

Ingestion: Gypsum (calcium sulfate) is non-toxic; however, ingestion of a sufficient quantity could lead to mechanical obstruction of the intestines, especially the pyloric region.

Inhalation: Dusts may irritate the nose, throat and respiratory tract by mechanical abrasion. Coughing, sneezing and shortness of breath may occur following exposures in excess of appropriate exposure limits. Repeated overexposure to very high levels of respirable crystalline silica (quartz, cristobalite, tridymite) for periods as short as six months have caused acute silicosis

FIRST AID:

Eyes: Immediately flush eye(s) with plenty of clean water for at least 15 minutes, while holding the eyelid(s) open. Occasionally lift the eyelid(s) to ensure thorough rinsing. Beyond flushing, do no attempt to remove material from the eye(s). Contact a physician if irritation persists or later develops.

Skin: Wash with soap and water. Contact a physician if irritation persists or later develops.

Ingestion: This product contains gypsum and if ingestion of a large quantity occurs it could lead to mechanical obstruction of the gut, especially the pyloric region. If ingested, call a physician.

Inhalation: Remove to fresh air at once. Dust in throat and nasal passages should clear spontaneously. If not breathing, initiate pulmonary resuscitation. Contact a physician if irritation persists or later develops.

SECTION 4 – TOXICOLOGICAL AND ENVIRONMENTAL TOXICOLOGICAL INFORMATION

Drywall product contains a small amount of Barium metaborate monohydrate (Busan 11-M1) that is registered under EPA as pesticide, Registration No: 1448-17-AA. CA Pesticide Product ID No: 6030

Acute Effect:

Oral	LD50 = 850 mg/kg	Male Rat
Oral	LD 50 = 530 mg/kg	Female Rat
Dermal	LD50 = > 2000 mg/kg	Rabbit
Inhalation	LC50 = > 2.54 mg/l (4 hours)	Rat

Irritant/ Sensitization Effect:

Slightly hazardous in case of eye contact (irritant)
Non-irritant to skin. Non-sensitizer for skin.
Slightly hazardous by inhalation depending on concentration.

Aquatic Life:

LC50 = 20.3 mg/l 48 hours Daphnia magna
LC50 = > 151 mg/l 96 hours Bluegill sunfish
LC50 = > 62 mg/l 96 hours Rainbow trout

SECTION 5 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:	NA	Specific Gravity (H ₂ O = 1):	1.3
Vapor Pressure (mm Hg):	NA	Melting Point:	NA
Vapor Density (Air = 1):	NA	Evaporation Rate:	
Solubility in Water:	Approximately 0.2	(Butyl Acetate = 1)	NA

Appearance and Odor: A white gypsum core wrapped with paper. No to low odor.

SECTION 6 - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): NA	Flammable Limits: NA	LEL: NA	UEL: NA
Extinguishing Media: Not Combustible	Special Fire Fighting Procedures: None*		
Unusual Fire and Explosion Hazards: None			

*Surface burning characteristics classified at Underwriters Laboratories, Inc.; Flame spread - 15; Smoke developed - 0.

SECTION 7 - REACTIVITY DATA

Stability: Stable Conditions to Avoid: None
Incompatibility (Materials to Avoid): None known
Hazardous Decomposition or Byproducts: At high temperature, CaSO₄ decomposes to produce SO₃ an acidic gas that converts to H₂SO₄ in the atmosphere.
Hazardous Polymerization: Will Not Occur Conditions to Avoid: None

SECTION 8 - PERSONAL PROTECTION AND CONTROL MEASURES

WORK/HYGIENIC PRACTICES: It is recommended to blade cut this product using utility knife rather than sawing or grinding to minimize or eliminate dust generation. Avoid creating and breathing dust.

RESPIRATORY PROTECTION: To minimize exposure to dust and/or crystalline silica, **cutting drywall products should be conducted by scoring and breaking using utility knife and with sufficient ventilation.**

When using power tools, NIOSH/MSHA approved respirators must be worn in accordance with a respiratory protection program which meets OSHA requirements as set forth at 29 CFR 1910.134 and ANSI Z88.2-1080 "Practices for Respiratory Protection."

SKIN PROTECTION: Use gloves and/or protective clothing if abrasion or allergic reactions are experienced.

EYE PROTECTION: Use safety glasses with side shields. Dust goggles should be worn when excessively (visible) dusty conditions are present or are anticipated.

LOCAL EXHAUST: Use sufficient local exhaust to reduce the level of respirable dust to the applicable standards set forth in Section III. See ACGIH "Industrial Ventilation, A Manual of Recommended Practice," latest edition.

SAFETY MEASURES: Wear hard hats and/or steel-toed safety shoes if drywall may fall from an elevation or be dropped during handling.

OTHER CONTROL MEASURES: Dust and quartz levels in excess of appropriate exposure limits should be reduced by feasible engineering controls such as blade cutting and ventilation. Respirators must be worn when such controls are not feasible or do not completely control dust generation.

SECTION 9 – OTHER REGULATIONS

SARA TITLE III SECTION 313: Barium metaborate monohydrate is included in the Toxic Chemical List and subject to reporting.

CERCLA: Barium metaborate monohydrate **RQ 1000 lbs. (453.6 kg)**

FDA: Busan 11-M1 is approved under FDA912CFR) sections: 176.180 **LIMITATION:** For use only as a preservative for coating and sizing.

TSCA: Components are listed under **TSCA Inventory. Registered pesticides are exempted from the TSCA requirements.**

FIFRA (Federal Insecticide, Fungicide and Rodenticide Act): Busan 11-M1 is registered pesticide: **EPA Reg. No. 1448 - 17AA.**

CA DEPT OF PESTICIDE REGULATIONS: BUSAN 11-M1 - **California Product ID No: 6030.**

CALIFORNIA PROPOSITION 65 WARNING: Sanding, sawing or grinding of PABCO® Gypsum products will expose you to respirable crystalline silica which is "known in the State of California to cause cancer and to other substances which are known to the State of California to cause cancer, birth defects and other reproductive harm."

TRANSPORTATION: DOT Hazard Classification: **Drywall products are not regulated** UN/NA Code: None
Placard Required: None Labeling Requirement: None

SECTION 10 - HANDLING AND STORAGE INFORMATION

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: No special precautions. Wear appropriate protective equipment. Collect material from spillage, place in a waste container for disposal, or if not damaged or contaminated by foreign material, gypsum panels may be reclaimed.

WASTE DISPOSAL METHOD: Dispose of in accordance with applicable federal, state and local regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Follow good safety and hygiene practices during handling and installing of all products and systems. Take necessary precautions and wear appropriate personal protective equipment as needed. Store in a dry place and in horizontal position. Do not stack panels in vertical position. Panels can fall over causing serious injury. .

SECTION 11 - OTHER INFORMATION

The information and recommendations contained herein are based upon the data believed to be correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful health effects which may be caused by exposure to airborne dust particles created by dry sawing, using power tools or grinding of our products. Customers/users of drywall products must comply with all applicable health and safety laws, regulations, and orders.

MSDS STATUS: Revision 2
Preparer: Normita Callison, REM, 08/2000
Tel No: (916) 645 -2568

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MSDS Technical Contact: Rick Ladwig
Pabco Gypsum Technical Services Manager
Tel No: 1(702) 407 - 3725