



Panel Rey® Gypsum Board

[GUARD REY® and GUARD REY X®]

Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 06/01/2016

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Supersedes: Version 2011

Version: 1.0 - 2016

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form	:	Solid (board)
Product name	:	<u>PANEL REY® GUARD REY and GUARD REY X.</u>
Formula	:	A mixture of calcium sulfate and minerals.
Other means of identification	:	Gypsum Drywall, Wallboard, Plasterboard, Gypsum Panels.

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the product : This product is designed to build up interior walls.

1.3. Details of the supplier of the safety data sheet

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SECTION 2: Hazards identification

United States (US)	According to OSHA 29CFR 1910.1200 (HCS)
GHS Classification of the substance or mixture	Not classified.
Physical hazards	Not classified.
Health hazards	Not classified.
OSHA defined hazards	Not classified.
Label elements	
Hazard symbol	None.
Signal word	None.
Hazard statement	None.
Precautionary statement	
Prevention	Do not breathe dust. Observe good industrial hygiene practices. Use personal protective equipment as required. Use engineering controls and wet methods to minimize dust.
Response	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If on skin, wash with plenty of soap and water. If in eyes, rinse cautiously with water for several minutes. Get medical attention/advice if you feel unwell.
Storage	Store material in a cool, dry, ventilated area, away from excessive heat or sunlight.
Disposal	Dispose of in accordance with local, state, and federal regulations.
Hazard(s) not otherwise classified (HNOC)	None known.

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SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

Full text of H-phrases: see section 16

3.2. Mixture

Name	Product identifier (CAS No.)	%	Classification (GHS-US)
Gypsum (CaSO ₄ •2H ₂ O)	13397-24-5	> 80	
Or Anhydrous Calcium Sulfate	10101-41-4		
Recycled paper (Cellulose)	9004-34-6	< 30	
May contain the following:			
Glass fiber (textile grade)	65977-17-3	< 10	

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
First-aid measures after inhalation	: Immediate effects are not anticipated. If large amounts of dusts are inhaled, remove to fresh air. If breathing problems occur, a certified professional should administer oxygen or CPR if indicated. Seek immediate medical attention.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Any. Use media appropriate for surrounding fire.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Not flammable.
Reactivity	: Not reactive under normal use and conditions.

5.3. Advice for firefighters

Protection during firefighting : Positive pressure self-contained breathing apparatus (SCBA) and structural firefighters' protective clothing will provide adequate protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Evacuate area. Ensure adequate air ventilation.

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Stay upwind. Ventilate area.

6.2. Environmental precautions

This product does not present an ecological hazard to the environment. Dispose of in accordance with applicable federal, state, and local regulations.

6.3. Methods and material for containment and cleaning up

For containment : Pick-up larger pieces to avoid a tripping hazard. Return large pieces of damaged/scraped material for recycling.

Methods for cleaning up : Sweep or vacuum remaining material into a waste container for disposal. Use a light water spray to minimize dust generation. Maintain proper ventilation to minimize dust.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : Combustion may produce carbon monoxide and other harmful substances.
- Precautions for safe handling : Avoid dust inhalation and promulgation. DO NOT use compressed air or dry sweeping to remove dust from work area. Dusts should be removed using an appropriately equipped vacuum. If an appropriate vacuum is unavailable, only wet-clean-up methods should be used (i.e. wet sweeping, misting, etc.). Moisture should be added as necessary to reduce exposure to airborne respirable dust.
- Hygiene measures : Practice good housekeeping. Wash thoroughly after handling. Change contaminated clothing. Do not reuse until laundered. Do not take silica contaminated clothing home.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store material in a cool, dry, ventilated area, away from excessive heat or sunlight.
Store panels flat to minimize damage and warping.
Do not stack panels too high when storing to minimize the risk of falling.

7.3. Specific end use(s)

- Brief summary of the product use. This product is designed to build up interior walls.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Ingredient	ACGIH TLV (mg/m ³) (8-hr. TWA)	U.S. OSHA PEL (mg/m ³) (8-hr. TWA)
Gypsum (CaSO ₄ •2H ₂ O)	10	15 (T) / 5 (R)
Or Anhydrous Calcium Sulfate	10	15 (T) / 5 (R)
Recycled paper (Cellulose)	10	15 (T) / 5 (R)
May contain the following:		
Glass fiber (textile grade)	(NE)	(NE)

(T): TOTAL DUST

(R): RESPIRABLE FRACTION

(NE): NOT ESTABLISHED

mppcf: Millions of particles per cubic foot of air.

8.2. Exposure controls

- Appropriate engineering controls : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Enclosed processes used in combination with local exhaust ventilation as necessary to control air contaminants at or below acceptable exposure guidelines. Collection systems must be designed and maintained to prevent the accumulation and recirculation of respirable silica into the workplace.
- Personal protective equipment : Avoid all unnecessary exposure.
- Hand protection : In case of repeated or prolonged contact wear Nitrile or Polyethylene gloves
- Eye protection : Chemical goggles or safety glasses.
- Skin and body protection : Under dusty conditions or when excessive skin contact is likely, wear coveralls or other suitable work clothing.
- Respiratory protection : Where exposure through inhalation may occur from use, NIOSH/MSHA approved respiratory protection is recommended. For exposures of crystalline silica up to 0.5 mg/m³ TWA, NIOSH recommends wearing any particulate respirator equipped with an N95, R95, or P95 filter, except quarter-mask respirators.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Solid (board)
- Color : A white gypsum core wrapped with paper.
- Odor : Low to no odor
- Odor threshold : No data available
- pH : No data available

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Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosive limits	: No data available

9.2. Other information

VOC content:

Criteria	Product identifier (CAS No.)	Maximum Allowable Predicted Concentration	Units
TVOC ^(A)	-	0.22	mg/m ³
Formaldehyde	50-00-0	9 (7.3 ppb)	µg/m ³
Total Aldehydes ^(B)	-	0.043	Ppm
4-Phenylcyclohexene	4994-16-5	6.5	µg/m ³
Particle Matter less than 10 µm ^(C)	-	20	µg/m ³
1-Methyl-2-pyrrolidinone ^(D)	872-50-4	160	µg/m ³
Individual VOCs ^(E)	-	½ CREL or 1/100 th TLV	-

(A) Defined to be the total response of measured VOCs falling within the C6 – C16 range, with responses calibrated to a toluene surrogate.

(B) The sum of all measured normal aldehydes from formaldehyde through nonanal, plus benzaldehyde, individually calibrated to a compound specific standard. Heptanal through nonanal are measured via TD/GC/MS analysis and the remaining aldehydes are measured using HPLC/UV analysis.

(C) Particle emission requirement only applicable to HVAC Duct Products with exposed surface area in air streams (a forced air test with specific test

(D) Based on the CA Prop 65 Maximum Allowable Dose Level for inhalation of 3,200 µg/day and an inhalation rate of 20 m³/day.

method) and for wood finishing (sanding) systems.

(E) Allowable levels for chemicals not listed are derived from the lower of 1/2 the California Office of Environmental Health Hazard Assessment (OEHHA) Chronic Reference Exposure Level (CREL) as required per the CDPH/EHLB/Standard Method v1.1 and BIFMA level credit 7.6.2 and 1/100th of the Threshold Limit Value (TLV) industrial work place standard (Reference: American Conference of Government Industrial Hygienists, 6500 Glenway, Building D-7, and Cincinnati, OH 45211-4438).

SECTION 10: Stability and reactivity

10.1. Reactivity

Not reactive under normal use and conditions.

10.2. Chemical stability

Stable at normal temperatures and pressure.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

No additional information available

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10.5. Incompatible materials

Strong acids, Strong oxidizing agents.

10.6. Hazardous decomposition products

Combustion may produce carbon monoxide, carbon dioxide, calcium oxides and other substances.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
Skin corrosion/irritation	: Under normal conditions of intended use, this material does not pose a skin hazard. Gypsum was not found to be a skin irritant. pH: No data available.
Serious eye damage/irritation	: Mechanical processing may generate dust. Direct contact with eyes may cause temporary irritation. pH: No data available.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: No evidence of carcinogenic potential exists.

Crystalline Silica (14808-60-7)

IARC group	1 - Carcinogenic to humans
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not toxic to lung tissue.
Aspiration hazard	: Due to the physical form of the product it is not an aspiration hazard.

SECTION 12: Ecological information

12.1. Toxicity

This product does not present an ecological hazard to the environment. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose of as inert solid in landfill. Dispose of waste material according to Local, State and Federal environmental regulations. Never discharge directly into sewers or surface waters. Slurry may plug drains.

SECTION 14: Transport information

In accordance with DOT
Not regulated for transport

Additional information

Other information : No supplementary information available.

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ADR

Transport document description :

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

Crystalline Silica (14808-60-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Carc.Cat.2; R49

Full text of R-phrases: see section 16

15.2.2. National regulations

Crystalline Silica (14808-60-7)

Listed on IARC (International Agency for Research on Cancer)

15.3. US State regulations

Crystalline Silica (14808-60-7)

U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations

U.S. - New Jersey - Right to Know Hazardous Substance List

SECTION 16: Other information

Data sources

: ChemADVISOR, Inc.[<https://www.chemadvisor.com>]. GESTIS DNEL Database [[http://dnel-en.itrust.de/nxt/gateway.dll/dnel_en/000000.xml?f=templates\\$fn=default.htm\\$vid=dneleng:ddbeng\\$3.0/](http://dnel-en.itrust.de/nxt/gateway.dll/dnel_en/000000.xml?f=templates$fn=default.htm$vid=dneleng:ddbeng$3.0/)].

Full text of H-phrases: see section 16:

Carc. 1A	Carcinogenicity Category 1A
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
STOT RE 2	Specific target organ toxicity (repeated exposure) Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H350	May cause cancer
H373	May cause damage to organs through prolonged or repeated exposure

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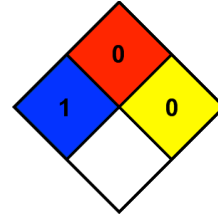
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NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard : 0 - Materials that will not burn.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product