

MATERIAL SAFETY DATA SHEET



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Product Safety: (408) 541-8000

SECTION I PRODUCT IDENTIFICATION

PRODUCT(S): QuietRock QR-545THX
CHEMICAL FAMILY: Gypsum composites
ISSUE DATE: October 30, 2006

SECTION II INGREDIENTS

| Ingredient | < Wt % | Exposure Limit | CAS No# |
|-------------------------------|--------|--|------------|
| Calcium Sulfate Dihydrate | 59.1 | 10 mg/m ³ TLV; 15 mg/m ³ STEL (Total); 5 mg/m ³ STEL Respirable | 10101-41-4 |
| Cellulose | 10.4 | 10 mg/m ³ TLV; 15 mg/m ³ STEL (Total); 5 mg/m ³ STEL Respirable | 9004-34-6 |
| Cement | 7.8 | (NE) | (NE) |
| Quartz | 7.8 | (NE) | (NE) |
| Iron | 6.5 | 10 mg/m ³ TWA as Iron Oxide | 1309-37-1 |
| Lime | 4.4 | (NE) | (NE) |
| Crystalline Silica | 3.5 | 0.1 mg/m ³ TLV (Respirable); 5 mg/m ³ STEL (Respirable) | 14808-60-7 |
| Potassium Sulfate | 3.5 | (NE) | (NE) |
| Starch | 2.1 | 10 mg/m ³ TLV; 15 mg/m ³ STEL (Total); 5 mg/m ³ STEL Respirable | 9005-25-8 |
| Natural faric | 2.0 | (NE) | (NE) |
| Acrylate Polymer | 1.1 | (NE) | 28063-87-8 |
| Fibrous Glass (textile grade) | 1 | (NE) | (NE) |
| Boric Acid | 1 | (NE) | (NE) |

(NE) – NOT Established

All ingredients of this product are included in the US Environmental Protection Agency's Toxic Substances Control Act Chemical Substance Inventory.

INFORMATION FOR HANDLING AND IDENTIFICATION OF CHEMICAL HAZARDS

NFPA Ratings: Health: 0 Fire:0 Reactivity: 0 Other: N/A
HMIS Ratings: Health: 0 Fire:0 Reactivity: 0 Other: N/A
0=Minimal Hazard 1=Slight Hazard 2=Moderate Hazard
3= Serious Hazard 4=Severe Hazard

Personal Protection: **MUST WEAR CUT-RESISTANT GLOVES (SUCH AS THOSE CONTAINING POLYAMIDE COTTON OR KEVLAR WHILE HANDLING OR CUTTING).**
Approved eye protection is recommended for operations involving machining. Use a dust mask when handling or cutting this product. Use NIOSH/MSHA-approved respirator when necessary.

**SECTION III
PHYSICAL DATA**

| | |
|----------------------|---|
| Appearance and Odor: | Paper covered panel with off white core; low odor |
| Bulk Density: | 50-55 lbs/ft ³ |
| Solubility in Water: | < 0.1% |
| Boiling Point: | NA |
| Melting Point: | NA |
| Vapor Pressure: | NA |
| Vapor Density: | NA |

**SECTION IV
FIRE AND EXPLOSION HAZARD DATA**

Flash Point (Method Used): None

No fire or explosion hazard, however, the particulates generated may represent a dust explosion hazard. May evolve irritating and toxic decomposition products from combustion.

**SECTION V
HEALTH HAZARD DATA**

EFFECTS OF OVEREXPOSURE

ACUTE:

Eyes: Particles may cause irritation. Manganese, copper, sulfur dioxide and iron oxide may cause irritation of eyes, nose, and throat in mouth and metal fume fever.

Skin: This material is not toxic. No toxic effects from powdered gypsum are noticed where air contains contaminate to excess. May dry skin. This material exhibits some 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. Edges have metal inside: ALWAYS USE CUT-RESISTANT GLOVES (such as Kevlar or Polyamide Cotton). Absorption of boric acid into blood stream through damaged skin may result in erythema or macular rash.

Inhalation: Inhalation of dusts from this product may irritate the nose, throat, lungs and upper respiratory tract. Boric acid may be absorbed through mucous membranes. Persons subjected to large amounts of this dust will be forced to leave area because of nuisance conditions such as coughing, sneezing and nasal irritation from dust. Prolonged or repeated exposures to high concentrations may cause lung changes considered to be a benign pneumoconiosis. Manganese may cause irritation of eyes, nose, and throat in mouth and metal fume fever. Advanced exposure symptoms may include weakness, sleepiness, nervousness, and lack of coordination, uncontrollable laughter, and aggressiveness. If cutting the material, wear a dust mask in all circumstances. In low ventilation situations, use NIOSH/MSHA-approved respirator when necessary.

INGESTION: Calcium sulfate is nontoxic, however, ingestion of a sufficient quantity could lead to mechanical obstruction of the gut. Large doses of boric acid absorbed into blood may result in erythema, macular rash, diarrhea, dizziness, and CNS effects after 36-72 hours. Ingestion of 5 grams or more boric acid may irritate gastrointestinal system and affect central nervous system.

CHRONIC:

Prolonged and repeated exposure to respirable crystalline silica can result in lung disease and/or lung cancer.

EMERGENCY AND FIRST AIR PROCEDURE:

EYES: Flush thoroughly for 15 min to remove particles.

SKIN: Wash with soap and water. Apply hand lotion to treat dry skin.

Inhalation: Leave the area.

Ingestion: Call physician

Target Organs: Eyes, Skin, Lungs, Respiratory system

Medical Conditions that may be aggravated: Preexisting upper respiratory lung disease, but not limited to bronchitis, emphysema, and asthma.

Primary Routes of Entry: Inhalation, eyes, and skin contact.

CARCINOGENICITY OF INGREDIENTS:

| | IARC | NTP |
|---------------------|-------------|-------------|
| Crystalline Silica: | Group 1 | Anticipated |

IARC states that crystalline silica in the form of quartz or cristobalite from occupational sources is carcinogenic to humans (Group 1).

The average concentration of silica was less than 0.07 wt%. Respirable silica was not detected in air samples while cutting the panels with a power saw for eight hours.

SECTION VI REACTIVITY DATA

STABILITY: Stable
INCOMPATIBILITY: None
Hazardous Polymerization: Will not occur
Hazardous Decomposition: Above 1450 C could produce SO₂, CaO, CO₂, CO

SECTION VII SPILL OR LEAK PROCEDURES

No special precaution. Wear appropriate protective equipment. Dispose of material in accordance with federal, state, and local regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

PERSONAL PROTECTIVE EQUIPMENT:

MUST WEAR CUT-RESISTANT GLOVES (SUCH AS THOSE CONTAINING POLYAMIDE COTTON OR KEVLAR WHILE HANDLING OR CUTTING). Approved eye protection is recommended for operations involving machining. Wear dust mask when cutting. Use NIOSH/MSHA-approved respirator when necessary.

RESPIRATORY PROTECTION:

Not typically necessary under normal conditions of use. Avoid inhalation of dust. Wear dust mask when cutting. Wear a NIOSH/MESHA- approved respirator if TLV is exceeded and/or when dusty conditions exist to guard against nuisance particles.

VENTILLATION:

General ventilation should be adequate.

SECTION IX SPECIAL PRECAUTIONS

PRECAUTION TO BE TAKEN IN HANDLING AND STORAGE

SAFETY FIRST! MUST WEAR CUT-RESISTANT GLOVES (SUCH AS THOSE CONTAINING POLYAMIDE COTTON OR KEVLAR WHILE HANDLING OR CUTTING). Follow good safety and industrial hygiene practices during handling and installation of all QuietRock products. Store in a dry place. Store all products flat. Panels are heavy and can fall over causing, serious injury or death. **DO NOT MOVE UNLESS AUTHORIZED.**

WARNING - AVOID BREATHING SILICA DUST

SERIOUS MATERIALS products, like most gypsum wallboard products, contain silica. Inhalation of respirable silica can cause silicosis which is a potentially disabling lung disease, and which is known to the State of California to cause lung cancer. When drilling, cutting, or abrading products during installation or handling: (1) Work outdoors where feasible, otherwise use mechanical ventilation, (2) Wear a dust mask, or if dust may exceed PEL, use NIOSH/MSHA approved respirator (recommended), (3) Warn others in area. According to medical experts, and the Surgeon General for the United States, cigarette smoking can significantly increase your likelihood for contracting lung-related diseases, including silica-related lung diseases. For further information, refer to our installation instructions and Material Safety Data Sheet available at www.QuietRock.com or by calling 1-800-797-8159. **FAILURE TO ADHERE TO WARNINGS, MSDS, AND INSTALLATION INSTRUCTIONS MAY LEAD TO SERIOUS PERSONAL INJURY.**

DISCLAIMER

Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of this information for their particular purpose(s).

Section X REGULATORY INFORMATION

TOXIC SUBSTANCES CONTROL ACT (TSCA): All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30.

EUROPEAN INVENTORY OF EXISTING COMMERCIAL CHEMICAL SUBSTANCES (EINECS): All components in this product are in compliance with EINECS.

CEPA - DOMESTIC SUBSTANCES LIST (DSL): All substances contained in this product are listed on the Canadian Domestic Substances List (DSL) or are not required to be listed.