

# MATERIAL SAFETY DATA SHEET

## QuietRock DensArmor Plus 528

### 1. Product And Company Identification

<b>Supplier</b> Quiet Solution 1250 Elko Drive Sunnyvale, CA 94089  <b>Supplier Contact:</b> Kevin Surace <b>Telephone Number:</b> (408) 541-8000 <b>Fax Number:</b> (408) 715-2560 <b>E-mail:</b> info@QuietSolution.com <b>Web Site:</b> www.QuietSolution.com	<b>Manufacturer</b> Quiet Solution 1250 Elko Drive Sunnyvale, CA 94089  <b>Supplier Contact:</b> Kevin Surace <b>Telephone Number:</b> (408) 541-8000 <b>Fax Number:</b> (408) 715-2560 <b>E-mail:</b> info@QuietSolution.com <b>Web Site:</b> www.QuietSolution.com
<b>Supplier Emergency Contacts &amp; Phone Number</b> None Given	<b>Manufacturer Emergency Contacts &amp; Phone Number</b> None Given
<b>Issue Date:</b> 3/5/08 <b>Product Name:</b> QuietRock DensArmor Plus 528 <b>MSDS Number:</b> 793	

### 2. Composition/Information On Ingredients

Ingredient Name	CAS Number	Percent of Total Weight
Gypsum (calcium sulfate)*	7778-18-9	60 - 100
Continuous filament glass fibers	65997-17-3	1 - 5
Silica, crystalline, quartz	14808-60-7	0.1 - 1
Proprietary polymers	N/A	<5%

\*Gypsum (calcium sulfate) contains naturally occurring silica crystalline (quartz), which is listed as a lung carcinogen. See section 8 for exposure information.

### EMERGENCY OVERVIEW

**CAUTION: May cause irritation of the upper respiratory tract and eyes.**

### 3. Hazards Identification

**CAUTION:** Cutting, sanding, or otherwise working with this product may generate large amounts of dust. Dust can be irritating to the eyes, skin, and respiratory system.

**Likely Routes of Exposure:** Skin contact, eye contact, and inhalation.

**Potential Health Effects:**

**Eye** - Dust may cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

**Skin** - Dust and glass fibers may produce itching, rash and redness. Handling can cause dry skin.

**Ingestion Hazards** - Not applicable under normal conditions of use. May result in obstruction and temporary irritation of the digestive tract.

**Inhalation Hazards** - May cause respiratory tract irritation.

**Medical Conditions Aggravated By Exposure:** Because of irritating properties, dust and glass fibers may aggravate preexisting skin, eye, and respiratory conditions.

**Target Organs:** Skin, eyes and respiratory system.

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### 4. First Aid Measures

**Eye Hazards** - In case of contact, immediately flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention.

**Skin Contact** - In case of contact, immediately flush with plenty of water. Call a physician if irritation develops and persists.

**Ingestion Hazards** - None known. May result in obstruction and irritation if ingested. Get medical attention.

**Inhalation Hazards** - Remove to fresh air. If symptoms persist, obtain medical attention.

### 5. Fire Fighting Measures

**Flammability Class:** Non-Flammable by OSHA/WHMIS criteria.

**Flammability Limits:** This product is fire resistant and has the following surface burning characteristics reported by nationally recognized laboratories. Flame Spread, 0 - 25, and Smoke Development, 0 - 20 (ASTH EB4).

**Products of Combustion:** May include, and are not limited to: calcium oxide and sulfur dioxide.

**Fire And Explosion Hazards** - None. Non-flammable. Material can splash and splatter above 212 deg F. Closed containers may rupture and explode when exposed to extreme heat.

**Extinguishing Media** - Use the appropriate extinguishing media for the surrounding fire.

**Fire Fighting Instructions** - Water can be used to cool and protect exposed material. Firefighters should wear full protective clothing including self contained breathing apparatus.

### 6. Accidental Release Measures

Contain and/or absorb spill with inert material (e.g. paper towel, sand, vermiculite). Pick up released product with appropriate implements and place in container for disposal.

**Environmental Precautions:** Keep out of drains, sewers, ditches and waterways.

### 7. Handling And Storage

**Handling And Storage Precautions** - Keep containers tightly closed. Wash thoroughly after handling.

Avoid contact with skin and eyes. Do not breathe dust. Use only well-ventilated areas. Do not use a power saw. Wear appropriate NIOSH approved dust mask or filtering facepiece when permissible exposure limits may be exceeded. When using do not eat or drink. Launder contaminated clothing before reuse.

Keep out of the reach of children. Keep from freezing. Store between 5 and 40 deg C. Apply between 45 to 100 deg F (7 to 38 deg C).

### 8. Handling And Storage

**Engineering Controls** - Use with adequate general and local exhaust ventilation. Use with local exhaust ventilation if needed to control mists and vapors.

**Eye/Face Protection** - Safety glasses with side shields or goggles recommended.

**Skin Protection** - Use with adequate general and local exhaust ventilation. Use with local exhaust ventilation if needed to control mists and vapors.

**Respiratory Protection** - General room ventilation is normally adequate. In case of inadequate ventilation, use a NIOSH-approved respirator for particulates (e.g., N95).

**Ingredient(s) - Exposure Limits** -

1) Gypsum (CaSO<sub>4</sub>) | CAS #: 7778-18-9 | OSHA-PEL: 15mg/m<sup>3</sup> (total); 5mg/m<sup>3</sup> (resp) | ACGIH-TLV: 10mg/m<sup>3</sup> (total)

2) Continuous filament glass fibers | CAS #: 65997-17-3 | OSHA-PEL: Not available | ACGIH-TLV: 1f/cc TWA (respirable fibers: length > 5 μm, aspect ratio equal to or greater than 3:1, as determined by the membrane filter method at 400-450X magnification (4mm objective), using phase-contrast illumination; 5mg/m<sup>3</sup> TWA (inhalable fraction) related to continuous filament glass fibers.

3) Silica, crystalline, quartz | CAS #: 14808-60-7 | OSHA-PEL: ((10mg/m<sup>3</sup>)/(%SiO<sub>2</sub>+2) TWA (resp)); ((30mg/m<sup>3</sup>)/(%SiO<sub>2</sub>+2) TWA (total)); ((250)/(%SiO<sub>2</sub>+2) mppcf TWA (resp)) | ACGIH-TLV: 0.025mg/m<sup>3</sup>

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9. Physical And Chemical Properties		
<p><b>Appearance</b> - Gypsum boards  <b>Odor</b> - No odor  <b>Odor Threshold:</b> Not available  <b>pH:</b> 6-8  <b>Viscosity:</b> Not applicable  <b>Physical State:</b> Solid  <b>Freezing Point:</b> Not applicable  <b>Boiling Point:</b> Not applicable  <b>Flash Point:</b> Not applicable</p>	<p><b>Evaporation:</b> Not available  <b>Lower Flammability Limit:</b> Not applicable  <b>Lower Flammability Limit:</b> Not applicable  <b>Vapor Pressure:</b> Not applicable  <b>Vapor Density:</b> Not applicable  <b>Specific Gravity:</b> 2.2 - 2.4  <b>Solubility in Water:</b> 0.2% @ 22°C  <b>Coefficient of Water/Oil:</b> Not available</p>	<p><b>Auto-ignition Temp:</b> Not applicable  <b>Percent Volatile, wt. %:</b> Not available  <b>VOC content, wt. %:</b> Not available</p>

10. Stability And Reactivity
<p><b>Stability:</b> Stable  <b>Hazardous Polymerization:</b> Will Not Occur.  <b>Incompatible Materials</b> - Unknown. May react with strong oxidizers. Mixing with metal salts may coagulate product.  <b>Hazardous Decomposition Products</b> - Thermal decomposition can produce calcium oxide, carbon dioxide, carbon monoxide, acrylic monomers, trace nitrogen oxides, sulfur, and other hydrocarbon residues.</p>

11. Toxicological Information		
<p><b>EFFECTS OF ACUTE EXPOSURE</b></p>		
<p><b>Component Analysis</b></p>		
<p><b>Ingredient</b></p>	<p><b>LD<sub>50</sub> (oral)</b></p>	<p><b>LC<sub>50</sub></b></p>
Gypsum (calcium sulfate)	Not available	Not available
Continuous filament glass fibers	Not available	Not available
Silica, crystalline, quartz	Not available	Not available
<p><b>EFFECTS OF CHRONIC EXPOSURE</b></p>		
<p><b>Target Organs:</b> Lungs</p>		
<p><b>Chronic Effects:</b> Hazardous by OSHA/WHMIS criteria. Prolonged exposure to respirable crystalline silica has been known to cause silicosis, a lung disease, which may be disabling. While there may be a factor of individual susceptibility to a given exposure to respirable silica dust, the risk of contracting silicosis and the severity of the disease is clearly</p>		
<p>In 1987, IARC classified continuous filament glass fibers as a Group 3 substance, "not classifiable as to its carcinogenicity to humans." In 2001, IARC reaffirmed this designation. Continuous filament glass fibers are not considered respirable due to their large diameter.</p>		
<p><b>Carcinogenicity:</b> Hazardous by OSHA/WHMIS criteria.</p>		
<p><b>Ingredient</b></p>	<p><b>ACGIH</b> - A2 - Suspected human carcinogen;  <b>IARC</b> - 1 - The agent is carcinogenic to humans;  <b>NTP</b> - 1 - Known to be carcinogens</p>	
Silica, crystalline, quartz		
<p><b>Mutagenicity; Reproductive Effects: Teratogenicity; Embryotoxicity; Respiratory Sensitization; Skin Sensitization:</b> Not hazardous by OSHA/WHMIS criteria.</p>		
<p><b>Toxicologically Synergistic Materials:</b> Not available.</p>		

12. Ecological Information
<p><b>Other Environmental Information</b> - Unknown. Believed to be non-toxic to plants and fish.</p>

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### 13. Disposal Considerations

The components in this product have been found to be noncarcinogenic by NTP, IARC and OSHA .  
ispose in accordance with applicable federal, state and local government regulations. Dispose of material in an approved landfill.

**RCRA Information** - Product is not a RCRA Hazardous Waste.

### 14. Transport Information

**Proper Shipping Name** - Not regulated

### 15. Regulatory Information

#### **SARA Hazard Classes**

Acute Health Hazard; Chronic Health Hazard

#### **CEPA - Domestic Substances List (DSL) -**

All substances contained in this product are listed on the Canadian Domestic Substances List (DSL).

#### **Ingredient(s) - Canadian Regulatory Information**

sodium carbonate

WHMIS - Ingredient Disclosure List

#### **European Union (EU) Regulatory Information -**

European Union Risk Phrases -

none required

**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.

#### **California Safe Drinking Water and toxic Enforcement Act (Prop. 65)**

This product may contain chemicals in trace concentrations which are known by the State of California to cause cancer.  
Acetaldehyde (75-07-0) <0.0000003%, Ethyl Acrylate (140-88-5) <0.0000002% Respirable crystalline silica

### 16. Other Information

#### **Global Inventories:**

<b>Ingredient</b>	<b>Canada DSL/NDSL</b>	<b>USA TSCA</b>
Gypsum (calcium sulfate)	DSL	Yes
Continuous filament glass fibers	DSL	Yes
Silica, crystalline, quartz	DSL	Yes

#### **NFPA Rating**

Health : 1

Fire : 0

Reactivity: 0

#### **HMIS Rating**

Health: 1

Fire: 0

Reactivity: 0

Personal Protection: B

#### **WHMIS Classification(s):**

Class D2A - Carcinogenicity

Class D2A - Chronic Toxic Effects

**Reference Documentation** - The following were the primary references used in the creation of this MSDS:

- Canadian Centre for Occupational Health & Safety (CCINFO) MSDS Database
- Guide to Occupational Exposure Values, ACGIH 2002-2003
- U.S. National Library of Medicine Hazardous Substance Databank (HSDB)
- Registry Toxic Effects of Chemical Substances (RTECS)

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### **Disclaimer**

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