

GYPSUM ROCK

PRODUCT IDENTIFICATION

GENERIC NAME: Gypsum Rock
CHEMICAL NAME: Calcium Sulfate Dihydrate
CAS NUMBER: 13397-24-5
FORMULA: $\text{CaSO}_4 \cdot 2 \text{H}_2\text{O}$

PRODUCT INGREDIENTS

	CALCIUM SULFATE DIHYDRATE	SILICA
CAS NO.	13397-24-5	14808-60-7
OSHA PEL	10mg/m ³	0.1mg/m ³ *
ACGIH TLV	10mg/m ³	0.1mg/m ³ *

*Respirable Dust

PHYSICAL DATA

pH: 7
BULK DENSITY: 60 - 65 lbs./cu.ft.
SOLUBILITY IN WATER: Less than 3 grams/liter
APPEARANCE AND ODOR: White powder; no odor.

FIRE AND EXPLOSION DATA

Product is non combustible and nonexplosive.

REACTIVITY

STABILITY: Products are stable.
HAZARDOUS DECOMPOSITION: Sulfur dioxide and sulfur trioxide may be released above 2400° F.

HEALTH HAZARD DATA

Trace amounts of naturally occurring crystalline silica may be found in gypsum.

Proposition 65 Warning: Respirable crystalline silica is known by the State of California to cause cancer

International Agency for Research on Cancer (IARC) has determined that there is sufficient evidence to establish that inhaled crystalline silica is a carcinogen to humans.

The National Toxicology Program (NTP) has concluded that respirable crystalline silica may reasonably be found to constitute a carcinogenic risk.

OSHA has not made any finding regarding the carcinogenicity of respirable crystalline silica.

Risk Summary

Rapid dumping and windy conditions may create sufficient dust levels to cause respiration irritation.

Primary Routes of Entry

Inhalation: Excessive exposure to dust may cause upper respiratory irritation.
Skin: None
Ingestion: None
Eyes: Dust is a transient mechanical irritant.

Chronic Effects

Failure to follow safe handling procedures when using this product can generate dust levels above the PEL.

Medical Conditions Generally Aggravated By Exposure

Pre-existing respiratory problems.

First Aid Emergency Procedures

Inhalation: Remove to fresh air.
Skin: None
Eyes: Irrigate with generous quantities of water. Consult physician if irritation continues.

PRECAUTIONS FOR SAFE HANDLING & USE

1. Avoid creating dust.
2. Store in a dry place.
3. Dispose in accordance with federal, state and local regulations.

CONTROL MEASURES

Respiratory Protection: Use a NIOSH/MSHA approved respirator for protection against airborne particulate.
Eye Protection: Safety glasses, goggles or a face shield as necessary.
Other Safety Equipment: None
Work/Hygienic Practices: Normal housekeeping.

PRODUCT INGREDIENTS

Material	Percent	TLV mg/m³	PEL mg/m³	CAS Number								
Calcium sulfate dihydrate	>95	10	15(T)5(R)	10101-41-4								
Crystalline Silica	*	0.1	<table border="0"> <tr> <td style="border-top: 1px solid black;">30mg/m³</td> <td rowspan="2" style="border: none; padding-left: 10px;">14808-60-7</td> </tr> <tr> <td>% SiO₂ + 2</td> <td>(T)</td> </tr> <tr> <td style="border-top: 1px solid black;">10mg/m³</td> <td rowspan="2" style="border: none; padding-left: 10px;">(R)</td> </tr> <tr> <td>% SiO₂ + 2</td> <td>(R)</td> </tr> </table>	30mg/m ³	14808-60-7	% SiO ₂ + 2	(T)	10mg/m ³	(R)	% SiO ₂ + 2	(R)	
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10mg/m ³	(R)											
% SiO ₂ + 2		(R)										

(T) = Total

(R) = Respirable

*Trace amounts of naturally occurring crystalline (quartz) silica may be found in gypsum (calcium sulfate dihydrate).