



1. IDENTIFICATION

Product Name: PMC

Synonyms: Gypsum, Calcium Sulfate Dihydrate ($\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$) SP, SPT, CWS, LP#2

Manufacturer: Performance Minerals Corp
10220 Wicker Ave Ste 4
Saint John, IN 46373
www.performancemineralscorp.com

Telephone Number: 1-800-847-3637

2. HAZARD IDENTIFICATION



Warning
May cause respiratory irritation

Prolonged inhalation of airborne dust can produce scar tissue in the lungs. The condition may not be reversible.

Handling and Storage: Use general room or local exhaust ventilation. Wear MSHA/NIOSH approved dust mask where dust levels exceed the threshold limit value (TLV) while handling the product. This product is for manufacturing purposes only.

Potential Health Effects:

Inhalation (acute): Exposure to dust generated during the handling or use of the product may cause temporary irritation to eyes, skin, nose, throat, and upper respiratory tract. 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. Labored breathing may occur after excessive inhalation. If respiratory symptoms persist, consult a physician.



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Inhalation (chronic): Exposures to respirable crystalline silica are not expected during the normal use of this product. Prolonged and repeated exposure to airborne free respirable crystalline silica can result in lung disease (i.e., silicosis) and/or lung cancer. The development of silicosis may increase the risks of additional health effects. The risk of developing silicosis is dependent upon the exposure intensity and duration.

Eye Contact: Dust can cause temporary mechanical irritation of eyes. If burning, redness, itching, pain or other symptoms persist or develop, consult a physician.

Skin Contact: None known

Ingestion: None known

3. COMPOSITION

<u>Chemical Name</u>	<u>% by weight</u>	<u>CAS#</u>
Gypsum	>95	10101-41-14
Calcium Carbonate	<5	1317-65-3
Crystalline Silica	.01-1	14808-60-7

4. FIRST AID MEASURES

Inhalation: Remove to fresh air. Leave the area of exposure and remain away until coughing and other symptoms subside. Other measures are usually not necessary, however if conditions warrant, contact a physician.

Eyes: In case of contact, do not rub or scratch eyes. To prevent mechanical irritation, flush thoroughly with water for 15 minutes. If irritation persists, consult a physician.

Skin: Wash with mild soap and water. If irritation persists, consult a physician.

Ingestion: This product is not intended to be ingested or eaten. If gastric disturbance occurs, contact a physician.

Most Important Symptoms: Eye and respiratory irritation due to exposure to dust.

Immediate Medical Attention

/Special Treatment: No immediate medical attention anticipated. Treatment should be directed at the control of symptoms and the clinical condition.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Water or use extinguishing media appropriate for surrounding fire.

Specific Hazards: None known



**Protective equipment/
Precautions:**

Wear appropriate personal protective equipment. See Section 8

6. ACCIDENTAL RELEASE MEASURES

Containment: No special precautions. Wear appropriate personal protective equipment. See Section 8

Clean-up: Use normal clean up procedures. No special precautions.

Disposal: Follow all local, state, provincial and federal regulations. Prevent discharge of large releases directly into sewers or surface waters.

7. HANDLING AND STORAGE

Safe Handling: Avoid dust contact with eyes and skin. Wear the appropriate eye and skin protection against dust (See section 8). Minimize dust generation and accumulation. Avoid breathing dust.

Safe Storage: Store in a cool, dry, ventilated area away from sources of heat, moisture and incompatibilities (See section 10).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

	WT%	TLV (mg/m₃)	PEL (mg/m₃)
Gypsum	>95	10	15(T)/5(R)
Calcium Carbonate	<5	10	15(T)/5(R)
Crystalline Silica	.01-1	0.025(R)	0.1(R)

(T) – Total (R) – Respirable

Engineering Controls: Provide ventilation sufficient to control airborne dust levels. If user operations generate airborne dust, use ventilation to keep dust concentrations below permissible exposure limits. Where general ventilation is inadequate, use process enclosures, local exhaust ventilation, or other engineering controls to control dust levels below permissible exposure limits.

Personal Protective Equipment:

**Specific Respiratory
Protection:**

Wear a NIOSH/MSHA approved respirator equipped with particulate cartridges when dusty in poorly ventilated areas, and if TLV is exceeded. A respiratory program that meets OSHA’s 29 CFR 1910-134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator’s use. If engineering controls are not possible, wear a properly fitted NIOSH/MSHA-approved particulate respirator.

**Specific Eye/Face****Protection:** Wear eye protection, safety glasses or goggles, to avoid possible eye contact.**Specific Skin****Protection:** Wear gloves and protective clothing to prevent repeated or prolonged skin contact.**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	White to off-white
Odor:	Low to no odor
Odor Threshold:	Not determined
pH at 25° C:	~7
Melting Point:	Not applicable
Freezing Point:	Not applicable
Boiling Point:	Not applicable
Flash Point:	Not determined
Upper/ lower flammability limits:	Not determined
Vapor Pressure/density:	Not applicable
Specific Gravity:	~2.32 (Gypsum)
Solubility in water:	~0.2 g/100g (Gypsum)
Partition coefficient:	Not determined
Auto-ignition temp:	Not determined
Decomposition temp:	2642°F/1450°C
Viscosity:	Not applicable
Particle Size:	Varies
Bulk Density:	~45-150 lb/ft ³ / 0.7-2.5 kg/m ³



Molecular Weight: ~172 g/mole
VOC Content: Zero g/l

Percent Volatile: Zero

10. STABILITY AND REACTIVITY

Chemical Stability: Stable

Conditions to Avoid: Contact with incompatibles (see below)

Incompatibility: None known

**Hazardous
Polymerization:** None Known

11. TOXICOLOGICAL INFORMATION

Likely routes of exposure & symptoms:

Eyes: Exposure to dust may cause irritation

Skin: Exposure to dust may cause dryness and irritation

Ingestion: No adverse effects expected for normal, incidental ingestion

Inhalation: Exposure to dust may cause irritation in nose, throat and lungs

Chronic Health Effects: This product contains trace amounts of crystalline silica. Prolonged or repeated inhalation of respirable crystalline silica can cause silicosis, as serious lung disease.

Respiratory or Skin Sensitization:

This material is not known to cause sensitization

Carcinogenicity: This product is not listed as carcinogenic by OSHA, IARC, NTP, ACGIH, or the EU Directives. This product may contain trace amounts of crystalline silica quartz which is listed by IARC as "Carcinogenic to Humans" (Group 1) and "Known to be a Human Carcinogen" by NTP.

Reproductive Toxicity: No data available

12. ECOLOGICAL INFORMATION

This product has no known affect on ecology. Toxicity studies of gypsum performed with fish, aquatic invertebrates and aquatic plants showed no toxic effects.

**13. DISPOSAL CONSIDERATIONS**

Dispose of material in accordance with federal, state and local regulations. Prevent discharge directly into sewers or surface waters. Consult with environmental regulatory agencies for guidance on acceptable disposal practices.

14. TRANSPORT INFORMATION

This product is not classified as a hazardous material under US DOT or Canadian TDG regulations.

15. REGULATORY INFORMATION

CERCLA Hazardous Substance:	Not listed
SARA Toxic Chemical (40 CFR 355):	Not listed
SARA Section 302 Extremely Hazardous Substance (40 CFR 355):	Not listed
SARA 311/312:	Not listed
SARA Section 313 Toxic Chemical Reporting Requirements:	None
Threshold Planning Quantity (TPQ):	Not listed
RCRA Hazardous Waste Classification (40 CFR 261):	Not classified
EPA Toxic Substances Control Act (TSCA) Status:	All components of this product are listed on the TSCA
California Proposition 65:	Airborne crystalline silica particulates of respirable size are known to the State of California to cause cancer
NFPA Ratings:	Health: 1 Fire: 0 Reactivity: 0
HMIS Ratings:	Health: 1 Fire: 0 Reactivity: 0 Personal Protection: A
OSHA Specifically Regulated Substance (29 CFR 1910):	Not listed
OSHA Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A):	Listed
MSHA:	Not listed
Canada DSL:	Listed
Canadian WHMIS Classification:	D2A, Materials causing other toxic effects



Canada CPR: This product has been classified in accordance with the hazard criteria of the CPR of Canada and this SDS contains all the required information.

Ontario Regulations: Refer to Regulation 845: Designated Substances - Silica

16. OTHER INFORMATION

List of GHS	H316: Causes mild skin irritation
Hazard	H320: Causes eye irritation
Statements:	H350: May cause cancer by inhalation H372: Causes damage to lungs through prolonged or repeated exposure by inhalation
List of GHS	P201: Obtain special instructions before use
Precautionary	P202: Do not handle until all safety precautions have been read and understood
Statements:	P260: Do not breathe dust P264: Wash hands thoroughly after handling P270: Do not eat, drink or smoke when using this product P281: Use personal protective equipment as required

Abbreviations

ANSI	American National Standards Institute
ACGIH	American Conference of Governmental Industrial Hygienists
CAA	Clean Air Act
CAS	Chemical Abstracts Service (Registry Number)
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CFR	Code of Federal Regulations
DOT	United States Department of Transportation
DSL	Canadian Domestic Substances List
EPA	United States Environmental Protection Agency
EPCRA	Emergency Planning & Community Right-to-know Act
HMIS	Hazardous Materials Identification System
IARC	International Agency of Research of Cancer
MSHA	Mine Safety and Health Administration
NDSL	Canadian Non-Domestic Substances List
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
OSHA	Occupational Health and Safety Administration
PEL	Permissible Exposure Limit
PPE	Personal Protection Equipment
RCRA	Resource Conservation and Recovery Act
SARA	Superfund Amendments and Reauthorizations Act of 1986
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act



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WHMIS Workplace Hazardous Material Information Sheet

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