

ProFin™ Gypsum Plaster

MSDS#: 00031-02A Effective Date: 11/1/02

PRODUCT IDENTIFICATION

GENERIC NAME:	Gypsum Plaster
TRADE NAMES:	ProFin™ Plasters include: Premier Basecoat, Premier Finish Regal Finish, Double Duty®, Perlited Ready-Mix and Gauging plaster.
CHEMICAL NAME:	Calcium Sulfate Hemihydrate
CAS NUMBER:	26499-65-0
FORMULA:	CaSO ₄ •1/2 H ₂ O

PHYSICAL DATA

pH:	Regal Finish 7.5 - 8
pH:	Other Plasters: 7
BULK DENSITY:	45 - 60 lbs./cu.ft.
SOLUBILITY IN WATER:	3 grams/liter
APPEARANCE AND ODOR:	White powder; no odor.

FIRE AND EXPLOSION DATA

Products are noncombustible and nonexplosive.

REACTIVITY

STABILITY:	Products are stable.
HAZARDOUS DECOMPOSITION:	Sulfur dioxide and sulfur trioxide may be released above 2400° F.
MOISTURE:	Contact with moisture will cause hardening.

PRECAUTIONS FOR SAFE HANDLING & USE

1. Avoid creating or breathing dust.
2. When sawing, sanding, drilling or abrading, always take the following precautions:
 - wear a NIOSH approved dust mask;
 - maintain adequate ventilation and air circulation;
 - warn others in the area;
 - use a NIOSH/MSHA approved respirator when dust levels exceed the permissible exposure limit (PEL);
 - wear safety glasses, goggles or a face shield as necessary for eye protection.

3. Clean up spilled dry material by shoveling, sweeping, or vacuuming.
4. Dispose in accordance with federal, state and local regulations.

HEALTH HAZARD DATA

RISK SUMMARY

Silica: Trace amounts of crystalline silica may be found in gypsum plasters as a naturally occurring ingredient. Certain plaster products such as Premier Basecoat and Primer Finish, also have silica added as part of the formula to increase abrasion resistance. In either case plasters do not release respirable dust in their installed state, and therefore, do not present any known health hazards as such. However, pouring plaster in its powder form or drilling, sanding or otherwise abrading the products after hardening may generate not only nuisance dust but also respirable silica dust in amounts that can pose health risks. This is most likely to occur in those plasters with silica added.

Lime: Regal Finish contains hydrated lime. Prolonged contact with this element may cause skin irritation.

PRIMARY ROUTES OF ENTRY

Inhalation and eye and skin contact.

ACUTE EFFECTS

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

Inhalation: Excessive exposure to dust from pouring, sanding, drilling or other forms of abrading may cause coughing or other upper respiratory irritation.

Eye Contact: Exposure to dust may cause redness and irritation.

Skin Contact: Excessive exposure to Regal Finish plaster may cause irritation and burning.

CHRONIC EFFECTS

Silicosis: Exposure to silica dust can cause silicosis, a noncancerous lung disease which may gradually reduce lung capacity and efficiency and can result in serious breathing difficulty.



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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

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Pre-existing upper respiratory and lung disease, such as, but not limited to bronchitis, emphysema and asthma.

FIRST AID EMERGENCY PROCEDURES

Inhalation: Remove to fresh air.

Skin: Wash with water.

PRODUCT INGREDIENTS

Material	Percent	TLV mg/m ³	PEL mg/m ³	CAS Number
Calcium sulfate hemihydrate	>60	10 (T)	15(T)5(R)	26499-65-0
Quartz (*)	>60	0.1(R)	30mg/m ³ % SiO ₂ + 2	14808-60-7 (T)
			10mg/m ³ % SiO ₂ + 2	(R)
Keene's Cement	<10	ND	ND	NONE
Lime (**)	<10	2(T)	15(T)5(R)	1305-78-8
Perlite (***)	<20	10(T)	15(T)5(R)	93763-70-3

(T) = Total

(R) = Respirable

(ND) = Not Developed

*Trace amounts of naturally occurring crystalline (quartz) silica may be found in gypsum (calcium sulfate hemihydrate). Premier Basecoat and Finish products include 20 to 30 percent silica and 5 to 10 percent lime.

**Regal Finish product contains 5 to 10 percent lime.

***Perlitized Ready Mix contains 10 to 20 percent perlite.

USA

BPB America Inc.
 5301 West Cypress St., Suite 300
 Tampa, FL 33607
 Toll Free: +1 866 4 BPB USA
 (1-866-427-2872)
 Fax: +1 813 286-3991
 E-mail: crc@bpb-na.com
 Web: www.bpb-na.com

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