

MATERIAL SAFETY DATA SHEET

Date Prepared: September 29, 2005

1. PRODUCT/COMPANY IDENTIFICATION

Product Name:
BONSAL® Magna 100

Manufacturer's Name & Address
Bonsal American
8201 Arrowridge Blvd.
Charlotte, NC 28273

Emergency Telephone:
800424 9300 (Chemtrec) or
703527 3887 (outside USA)

Telephone Number for Information:
704-525-1621

2. COMPOSITION/INFORMATION ON INGREDIENTS

	<u>CAS Registry#</u>
Magnesium oxide	1309-48-4
Flyash	68131-74-8
Silica, crystalline	14808-60-7
Ammonium Phosphate Monobasic	7722-76-1

COMMENTS:

OSHA PEL 8 hr. TWA Crystalline Silica Respirable Dust = (10mg/m³)/(SiO₂ + 2)

OSHA PEL 8 hr. TWA Crystalline Silica Total Dust = (10 mg/m³)/(SiO₂ + 2)

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE

Powdery solid. May be gray, white or beige in color.

IMMEDIATE CONCERNS:

Dust or vapor irritating to eyes and respiratory tract.

POTENTIAL HEALTH EFFECTS

EYES:

Flush eye with water for 15 minutes. Get medical attention. May cause immediate or delayed irritation and possibly permanent injury ranging from moderate irritation to chemical burns and blindness.

SKIN:

Avoid prolonged or repeated contact with skin. May cause drying of the skin, irritation or other more significant effects attributable to aggravation of other conditions. Certain individuals may exhibit an allergic response ranging from a mild rash to severe skin burns/ulcers.

INGESTION:

Swallowing small amounts will not cause significant harm. For larger amounts, do not induce vomiting, but give one or two glasses of water to drink and get medical attention.

INHALATION:

Prolonged or repeated inhalation may cause lung damage.

ACUTE EFFECTS:

Prolonged or excessive inhalation may cause respiratory tract irritation.

ROUTES OF ENTRY:

Harmful: danger of serious damage to health by prolonged exposure through inhalation, contact with skin, and if swallowed.

CANCER STATEMENT:

Cancer Hazard (contains material which) can cause cancer.

IRRITANCY:

Severely irritating to the skin, eyes, respiratory tract, and lungs.

SENSITIZATION:

May cause skin sensitization.

4. FIRST AID MEASURES

EYES:

Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

SKIN:

Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if persistent irritation occurs. Chronic exposure may result in dermatitis. Wash clothing before reuse.

INGESTION:

If swallowed, do NOT induce vomiting. Never give anything by mouth to an unconscious person.

If conscious, administer a glass of water. Call a physician or poison control center immediately.

INHALATION:

If exposed to excessive levels of dust or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:

Use extinguishing media suitable to combat surrounding fire.

COMMENTS:

As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL:

Reduce airborne dust and prevent scattering by moistening with water. Vacuum or sweep up material and place in a disposal container.

GENERAL PROCEDURES:

Minimize dust generation and accumulation.

SPECIAL PROTECTIVE EQUIPMENT:

Clean-up of larger spills may require personal protective equipment to prevent dust exposures and protect against alkali burns or irritation.

7. HANDLING AND STORAGE

GENERAL PROCEDURES:

Do not generate or breathe dust.

HANDLING:

Avoid contact with eyes, skin, and clothing.

STORAGE:

Store in a dry place. Do not expose the bag to any moisture.

SHELF LIFE:

Approximately 1 year. Must be stored in dry, non-humid conditions.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

PERSONAL PROTECTION

EYES AND FACE:

Minimum: Wear safety glasses with side shields (or goggles).

SKIN:

Wear suitable protective clothing and gloves.

RESPIRATORY:

Wear suitable NIOSH approved respiratory equipment.

WORK HYGIENIC PROCEDURES:

Practice good housekeeping techniques. Do not eat, drink, or smoke in work areas.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid
Odor: None
pH: Not determined
Percent Volatile: None
Evaporation Rate: None
Specific Gravity: ~ 2.8 to 2.95

COMMENTS:
Water Solubility: Slightly soluble.

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

INCOMPATIBLE MATERIALS: Avoid nitrites. Nitrites may decompose violently when mixed with ammonium salts.

COMMENTS:
Silica sand w/ react with Hydroflouroric acid to form Silicon Tetraflouride gas (SF₄= corrosive)

11. TOXICOLOGICAL INFORMATION

CARCINOGENICITY:

IARC: Silica= Group 1; Carcinogenic to humans. IARC Monograph 68 (June 1997).

12. ECOLOGICAL INFORMATION

GENERAL COMMENTS:

Product will react with water to form a solid mass.

13. DISPOSAL CONSIDERATIONS

GENERAL COMMENTS:

Any disposal practice must be in compliance, with local, provincial, state and federal laws and regulations. Contact local agencies/municipalities for specific rules.

14. TRANSPORT INFORMATION

COMMENTS:

Not considered a hazardous material for transport.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

Fire: No Pressure Generating: No Reactivity: No Acute: Yes Chronic: Yes

313 Reportable Ingredients: None

16. OTHER INFORMATION

HMIS CODES

Fire: 0 Health: 1 Reactivity: 1 Protection: E

MANUFACTURER DISCLAIMER:

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