

Ainsworth Dental Company

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MATERIAL SAFETY DATA SHEET

1. NAME OF PRODUCT

Product Name: **Dental Gypsums**

Chemical Family: Calcium Sulphate

Other Names/Synonyms: Art Plaster
Bluestone
Buffstone
Dental Plaster
DiamondRock
Diestone
FFF Plaster
Flintstone
Greenstone
Hardstone
Laboratory Plaster
Ortho Plaster
Orthostone
Patternstone
Plaster of Paris
Super White Plaster
Yellowstone

Supplier: Ainsworth Dental Company

2. CHEMICAL ANALYSIS

Various

3. POSSIBLE HAZARDS

Not classified as hazardous according to NOHSC criteria
Not classified as a dangerous good by the criteria of the ADG code

Ingestion: See First Aid Measures, below

Inhalation: Breathing of mixing dust may cause irritation to the eyes, nose, throat or upper respiratory system.

Skin: When mixed with water, this material hardens and then slowly becomes hot. DO NOT attempt to make a cast enclosing any part of the body. Failure to follow these instructions may cause severe burns that may require surgical removal of affected tissue. Repeated exposure may dry skin.

Eyes: Particules may cause irritation.

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4. FIRST AID MEASURES

Ingestion:	If swallowed, do not induce vomiting. Plasters harden when wetted, and if ingested may result in obstruction. Seek medical assistance. Drinking glycerin, gelatin solutions, or large volumes of water may delay setting.
Inhalation:	Remove to fresh air. If irritation persists, seek medical attention.
Skin:	Wash with mild soap and water. Seek medical attention if irritation develops.
Eyes:	Flush thoroughly with water for 15 minutes. Seek medical attention if irritation persists.

5. FIRE FIGHTING MEASURES

Not expected to burn. Not flammable. Not combustible.

6. SPILLS & LEAKAGE MEASURES

Use normal clean up procedures. If dry, shovel or sweep up material and place into a container for recovery or disposal. Avoid dust generation. Avoid inhalation of dust and contact with eyes and skin. Wear appropriate protective equipment. Maintain proper ventilation. If washed down, may plug drains. If already mixed with water, scrape up and place in container.

7. HANDLING AND STORAGE

<u>Handling:</u>	Avoid dust contact with eyes. Wear the appropriate eye protection against dust. Avoid breathing dust. Wear the appropriate respiratory protection against dust in poorly ventilated areas
<u>Storage:</u>	Store in a cool, dry, ventilated areas away from sources of heat, moisture and incompatibilities. Protect product bags or containers from physical damage and weather. Keep bags or containers tightly closed to prevent moisture contact. Presence of liquid will harden this material during storage.

8. PERSONAL PROTECTION GEAR

Inhalation:	Dust mask.
Eyes:	Safety glasses or goggles.
Skin:	Gloves & protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Powder
Colour:	White, green, yellow, blue, brown, buff or pink
Odour:	Low to no odour
Solubility in water:	Soluble
Flash Point:	Not relevant
Density:	Not available
Flammability limit:	Not flammable
Boiling Range:	Not available
Melting Point:	Not available

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10. STABILITY AND REACTIVITY

Conditions to avoid:	Water, high humidity and acids.
Hazardous Decomposition products:	Above 1450°C – calcium oxide (CaO) and sulphur dioxide (SO ₂).
Incompatibility (Materials to avoid)	Acids.
Stability:	Stable.
Hazardous Polymerization:	Will not occur.

11. TOXICOLOGY INFORMATION

Low toxicity – irritant. Use safe work practices to avoid dust generation or inhalation. Chronic health effects are not anticipated with normal use.

12. ECOLOGICAL INFORMATION

No known adverse effect on ecology.

13. DISPOSAL INSTRUCTIONS

Reuse where possible. Never discharge directly into sewers or surface waters. Slurry may plug drains. Dispose of in accordance with relevant local legislation.

14. TRANSPORTATION INSTRUCTIONS

Land	No restrictions
Sea	No restrictions
Air Transport:	No restrictions

15. REGULATIONS

Hazard Classification:	Not listed
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16. OTHER INFORMATION

The data and information given in this Material Safety Data Sheet are accurate on the date of preparation. It does not indicate any warranty or representation. We disclaim all liability relating to use of this material since this is beyond our control.

**SYDNEY
NOVEMBER 2010**