

Ainsworth Dental Company
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Safety Data Sheet

SECTION 1: Identification of the substance / mixture and of the company / undertaking

1.1 Product Identifier:

Trade name: Dental Gypsums

Product Name:	Dental Gypsums
Chemical Family:	Calcium Sulphate
Other Names/Synonyms:	Art Plaster Bluestone Buffstone Dental Plaster Diamond Rock Diestone FFF Plaster Flintstone Greenstone Hardstone Laboratory Plaster Ortho Plaster Orthostone Patternstone Plaster of Paris Supter White Plaster Yellowstone

1.2 Relevant identified uses of the substance or mixture and uses advised against

Used for the making of dental impressions, etc..

1.3 Details of the supplier for the safety data sheet

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1.4 Emergency Telephone: Poisons Information Centre (National) 13 11 26

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture:

Not classified as hazardous according to NOHSC criteria

Not classified as a dangerous good by the criteria of the ADG code

Carcinogenic effects: Not available

Reactivity: Minimal Hazard

Mutagenic effects: Not available

Physical Hazard: Slight Hazard

Fire Hazard: Minimal Hazard

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 irritate or dry the skin.

Eyes: Particles may cause irritation.

2.3 Hazard Statements

H304 May be fatal if swallowed and enters airways

H317 May cause an allergic skin reaction.



2.4 Precautionary Statement(s):

P232 Protect from moisture

P261 Avoid breathing dust

P262 Do not get in eyes/on skin

P264 Wash hands thoroughly after handling

P280 Wear protective gloves/protective clothing/eye protection/face protection

P281 Use personal protective equipment as required

P284 Wear respiratory protection

P264 Wash hands thoroughly after handling.

P301 +310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician..

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

Disposal:

P501 Dispose of contents/container in accordance iwth local/regional/national/international regulations.

SECTION 3: Composition/information on ingredients

NAME	CAS#	% BY WEIGHT
Calcium Sulfate Hemihydrate	10034-76-1	96-98.5%
Pigment (Iron Oxide)	1332-37-2	0.2-0.5%
Potassium Sulfate	7778-80-5	0.3-1%

Toxicological Data on Ingredients: Not applicable

SECTION 4: First aid measures

Eye contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used.

Skin contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

SECTION 5: Firefighting measures**Explosions hazards in presence of various substances:**

Risks of explosion of the product in presence of mechanical impact: not available.

Slightly explosive in presence of open flames and sparks.

Special remarks on fire hazards:

Calcium sulphate mixed with phosphorous will ignite at high temperatures.

When primed at a high temperature with potassium nitrate-calcium silicide mixture.

SECTION 6: Accidental release measures**Small spill and Large spill**

Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Use a shovel to put the material into a convenient waste disposal container.

Finish cleaning by spreading water on the contaminated surface.

SECTION 7: Handling and storage

Precautions: Do not breathe dust. Keep away from incompatibles such as oxidizing agents, acids.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

SECTION 8: Exposure and controls/personal protection

8.2 Appropriate engineering controls: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

8.3 Individual protection measures, such as personal Protective Equipment (PPE): Be sure to use safety Goggles/glasses, Lab coat/overalls, Dust respirator, Gloves.



Goggles



Overalls



Gloves

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

General Information

Physical State/appearance	Solid (Powdered solid)
Colour:	White
Odour:	Odourless
Molecular Weight:	145.15 g/mole
pH (1% soln/water):	Not available
Specific Gravity/density:	2.5-3.5
Solubility in Water (g/L):	0.2%
Melting Point Range (°C):	1450 degrees
Boiling Point Range (°C):	1450 degrees

SECTION 10: Stability and reactivity

Basically stable, may solidify and generate heat if in contact with water.

Special remarks on Reactivity: When mixed with water, it sets to a hard mass.

SECTION 11: Toxicology information

Other Toxic Effects on Humans: Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on other Toxic Effects on Humans:

Acute Potential Health Effects: Skin: May cause skin irritation. Eyes: Causes eye irritation.

SECTION 12: Ecological information**Products of Biodegradation:**

Possibly hazardous short term degradation products are not likely.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

SECTION 13: Disposal considerations**Waste Disposal:**

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

SECTION 14: Transport information**14.1 Roads and Rail Transport**

No special transport requirements, non-dangerous goods.

IATA: Not regulated.

SECTION 15: Regulatory information

N/A

SECTION 16: Other information

Precautions: Do not breathe dust.

Keep away from incompatibles such as oxidizing agents, acids.

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