

ASSOCIATED DENTAL PRODUCTS LTD
MATERIAL HEALTH AND SAFETY DATA SHEET

Version: 9

Updated on: 04/10/05

1. IDENTIFICATION	
1.1: Product Name And Code: NPH200-500 Strip Crowns 1.2: Use: Manufacturing of Dental Products 1.3: Company Identification: Associated Dental Products Ltd Kemdent Works Purton Swindon Wiltshire SN5 4HT Tel: +44 (0) 1793 770 256 Fax: +44 (0) 1793 772 256 1.3: Emergency Tel: +44 (0) 1793 770 256	
2. COMPOSITION	3. HAZARDS IDENTIFICATION
2.1: Cellulose diacetate film 2.2: Hazardous Ingredients: 2.3: 2.4: R Phrases: For full text of R Phrases see section 16	
4. FIRST AID MEASURES	5. FIRE FIGHTING MEASURES
Eyes: NA Skin: NA Mouth: NA. Inhalation: NA	Extinguishing Media: NA Exposure Risk: NA
6. ACCIDENTAL RELEASE MEASURE	7. HANDLING AND STORAGE
Precautions: None necessary	7.1: Handling: 7.2: Storage: Store in a cool dry place 7.3: Specific Uses:
8. EXPOSURE CONTROLS/PERSONAL PROTECTION	9. PHYSICAL AND CHEMICAL PROPERTIES
8.1: Exposure Limit Values: 8.2: Exposure Controls: The following information is given as general guidance Respiratory Protection: Hand Protection: Eye Protection: Skin Protection:	Appearance: Clear Film Odour: PH: Melting Point: Boiling Point: NA Flash Point: Explosive Properties: Oxidizing Properties: Vapour Pressure: Relative Density: Solubility In Water: Nil Solubility In Organic Solvent: Partition Coefficient: Other Data:
10. STABILITY AND REACTIVITY	11. TOXICOLOGICAL INFORMATION
Hazardous Reactions: 10.1: Conditions To Avoid: 10.2: Materials To Avoid: 10.3: Hazardous Decomposition Products:	Inhalation: Skin Contact: Eye Contact: Ingestion: Long Term Exposure:
12. ECOLOGICAL INFORMATION	13. DISPOSAL CONSIDERATIONS
12.1: Ecotoxicity: 12.2: Mobility: 12.3: Persistence and Degradability: 12.4: Bioaccumulative: 12.5: Other Adverse Effects:	
14. TRANSPORT INFORMATION	15. REGULATORY INFORMATION
No special precautions	Hazard Symbol: Safety Phrases:
16. OTHER INFORMATION	
16.1: Shelf Life: 5 Years	

Stone



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SAFETY DATA SHEET

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1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Substance/preparation:

Dental Plaster, Surgical Plaster, Formula SD, Flasking Plaster, Dentstone KD, Dentstone HXD, Crystacal D, Crownstone, Matrix, Pro-Rock, Pro-Stone 21, Pro-Model Super, Pro-Solid Super

Use:

Plaster for the production of dental models to be used in the manufacture of prosthetics, orthodontics and crown and bridge work

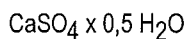
Manufacturer:

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2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical composition

Principally calcium sulphate hemihydrate and natural constituents, which may include clay, limestone and trace amounts of quartz. Minor amounts (less than 1.5%) of other additives may be included



CAS number 26499-65-0 (Plaster of Paris)

Dangerous substances

CAS – No.	Name	Content	R - Phrase	Category of Danger	OEL
None	None	None	None	None	None

Refer to section 16 - Other Information for full details of R-Phrases and danger categories

Other Substances - Substances with Community Workplace Exposure Limits

CAS – No.	Name	Content	WEL Long Term (8hr) mg.m ⁻³	WEL Short Term (15 min) mg.m ⁻³
26499-65-0	Plaster of Paris	>90%	10 Inhalable 4 Respirable	None

3. HAZARDS IDENTIFICATION

Description of hazard:

These products are not classified as dangerous/hazardous under Chemicals (Hazard Information and Packaging for Supply) Regulations 2002 (Chip 3).

Additional effects for people and environment:

This material will harden and become very hot when mixed with water. Avoid skin contact and do not attempt to make a cast enclosing any part of the body. If these instructions are not followed, severe burns could result leading to surgical removal of the affected skin or even amputation of the limb.

Powders may irritate eyes or sensitive skin

Dust may irritate respiratory system

4. FIRST AID MEASURES

General instructions

Medical attention is advisable if any symptoms persist

Inhalation

Remove person to fresh air

Skin contact

Flush skin with running water before washing with water and soap

Eye contact

Wash the eyes, including opening eyelids, with plenty of clean water (minimum 15 minutes) and seek medical advice if irritation persists

Ingestion

Wash out mouth and drink plenty of water

Specific information for Doctor

None

5. FIRE FIGHTING MEASURES

Suitable extinguishing media

All fire extinguishers are suitable media observing normal fire fighting procedures

For safety reasons extinguishing media which must not be used

None

Special exposure hazards arising from dust combustion or gas development

At high temperatures (more than 1200 °C) sulphur trioxide will be produced

Special protective safety equipment for fire fighting

None

Additional information

The product will not support combustion but the packaging may burn

6. ACCIDENTAL RELEASE MEASURES

Personal precaution measures

Control and suppress dust formation

Environmental precaution measures

Prevent powder contaminating drains and watercourses

Prevent slurry contaminating drains and watercourses

Method of cleaning / sweeping up

Mechanical pick up (vacuum) or sweep and shovel into bags

Refer to section 8 – Exposure Controls/Personal Protection

Refer to section 13 – Disposal Considerations

7. HANDLING AND STORAGE

Handling

Minimise and control dust when opening bags, mixing powder with water or sanding set plasters

Avoid prolonged or repeated contact with the skin or any eye contact

Wear protective clothing when mixing or working with powdered or wet plasters

Storage

Supplied in bags or drums, on pallets. Store in dry conditions and on firm level ground to maintain pallet stability

If manually handling use correct 'Manual Handling' techniques

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limit Values

Components with exposure limit values (workplace exposure limits or biological limit values)

CAS – No.	Substance	WEL Long Term (8hr) mg.m ⁻³	WEL Short Term (15 min) mg.m ⁻³
26499-65-1	Calcium Sulphate (Plaster of Paris)	10 Inhalable 4 Respirable	-
-	Quartz (Silica)	0.1 Respirable	-

Exposure Controls

1) Occupational exposure controls

Respiratory protection

Control dust formation and ventilate the area of work. If dust concentration is above occupational exposure limits then a respiratory filter/face mask to EN 149: 2001 FFP1 minimum should be worn

Hand protection

To avoid prolonged or repeated wet contact wear impermeable gloves. To reduce the effect of hand contact apply a barrier cream

Eye protection

If plaster or splashes are likely wear safety goggles to BS EN 166

Body protection

To avoid skin contact wear protective overalls and footwear

2) Environmental exposure controls

Gypsum based preparations are not known to have high potential to damage the environment

9. PHYSICAL AND CHEMICAL PROPERTIES**General Information**

Appearance:	Solid in powder form, off white
Odour:	Odourless, except occasionally slight musty odour

Important health, safety and environment information

pH value	6-8 in 10% aqueous solution (distilled)
Relative Density	Approx. 2.5 – 3.0 g / cm ³
Solubility in water	Approx. 2.0 g / L

Other information

Thermal decomposition to CaSO ₄ and H ₂ O	approx. 140°C
Thermal decomposition to CaO and SO ₃	approx. 1200°C

10. STABILITY AND REACTIVITY

Under normal conditions of use these products are stable and unreactive

Conditions to avoid

No dangerous reactions are known

Materials to avoid

None

Hazardous decomposition products

None under normal conditions of use

When working with higher temperatures (over 1200 degree Centigrade) hazardous sulphur trioxide can develop.

11. TOXICOLOGICAL INFORMATION

Toxicological (health) effects

No known available evidence indicating adverse toxicological health effects for acute toxicity, corrosivity/irritation, sensitisation, repeated-dose toxicity, mutagenicity, carcinogenicity, or reproductive toxicity.

Exposure

Inhalation – Plaster dust may irritate respiratory system, no known long-term effects

Ingestion- Small amounts of plaster or wet mix should not cause any significant reaction or long-term effect

Skin contact- Plaster powder may dry skin leading to irritation if contact is prolonged or skin is sensitive

Eye contact – Powder or wet mix splashes may irritate by particulate in the short term

12. ECOLOGICAL INFORMATION

No known negative ecological effects

Products are sparingly soluble in water, forming a solution/slurry and solidifying

13. DISPOSAL CONSIDERATIONS

Packaging disposal

Dispose of empty bags in accordance with local Environment Agency Regulations

Product disposal

Dispose of product in accordance with local Environment Agency Regulations

14. TRANSPORT INFORMATION

No special precautions exist with respect to transport

Not classified as hazardous for transport

15 REGULATORY INFORMATION

Safety Data Sheet prepared in accordance with:

Chemicals (Hazard Information & Packaging for Supply) Regulations 2002 - CHIP 3

Approved Code of Practice (L130). "The compilation of safety data sheets" Third edition

The Control of Substances Hazardous to Health 1999 (COSHH)

COSHH Essentials: Easy steps to control chemicals

16 OTHER INFORMATION

Sources of key data used to compile Safety Data Sheet:

Approved classification and labelling guide – Guidance on regulations L131

Approved Supply List (L129) Seventh edition

HSE EH40 Occupational Exposure Limits (current edition)

This information reflects typical values and is not a product specification

No warranty is hereby expressed or implied

Note to user:

This safety data sheet does not constitute the users own workplace risk assessment, which is required under COSHH Regulations 1999

Written enquiries should be addressed to:

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Technical Service:

BPB Formula technical staff are available for discussion and to render technical advice when the Company's products are being specified or used. These services are available through the means listed below.

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