MATERIAL SAFETY DATA SHEET

schottlander

1. INDENTIFICATION OF SUBSTANCES / PREPARATION AND COMPANY

Product Name: Pegasus Pourable Cold Cure Powder
Product Code: 226, 227

Application: With Pegasus Pourable Cold Cure Liquid forms a cold cured acrylic denture base

Company: Davis Schottlander & Davis Ltd
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2. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

This substance is classified as non-hazardous according to GHS Regulation EC1272/2008

Health: H303 - May be harmful if swallowed. Hazard category 5

2.2 Label elements

In Accordance with Regulation EC 1272/2008

Signal: Warning
GHS Pictogram: None
Hazard statement: H303 - May be harmful if swallowed
Precautionary Statement
(Prevention) P281 – Use personal protective equipment as required
(Response) P312 – Call a POISON CENTRE or doctor/physician if you feel unwell
P330 – Rinse mouth
(Disposal) P501 – Dispose of contents/container in accordance with local Regulations
Hazardous components for labelling: None

In Accordance with Directive 67/548/EC or Directive 1999/45/EC

Labelling in accordance with EC Directives: None
Hazardous components for labelling: None
Hazard symbols: H303 – May be harmful if swallowed
Risk Phrases: R22 – Harmful if swallowed
Safety Phrases: S36 – Wear suitable protective clothing

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substances

In Accordance with Regulations EC 1272/2008

Component	CAS No, EC Index No, REACH No, EINECS No.	Content	Hazard/category/statement
Poly Methyl Methacrylate	9011-14-7 Exempt	>98%	Harm. Swal./5/H303

In Accordance with Directive 67/548/EC or Directive 1999/45/EC

Component	CAS No.	Hazard symbol – r phrase	Content
Poly Methyl Methacrylate	9011-14-7	R22	>98%

4. FIRST AID MEASURES

Description of first aid measures

General advice: No special measures required.

Inhalation: The product is not a respiratory irritant.

Skin contact: The product is not skin irritating.

Eye contact: Flush with plenty of water. Consult a doctor if irritation occurs.

Ingestion: Drink plenty of water. Induce vomiting and consult a doctor.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Water mist, extinguishing powder, carbon dioxide.

Unsuitable extinguishing media: Do not use direct water stream.

5.2 Special hazards arising from the substance or mixture

No

5.3 Advice for firefighters

Use water spray to cool unopened containers.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

No special measures required. No dangerous materials are released. Spilled material may cause a slip hazard.

6.2 Environmental procedures

No special measures required.

6.3 Methods and material for containment and cleaning up

Clean up mechanically. Avoid build up of dust.

6.4 Reference to other sections

For personal protection see Section 8

For disposal considerations see Section 13

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Only adequately trained personnel should handle the product. Use hygienic measures for dental practice.

7.2 Conditions of safe storage, including any incompatibilities

Store in a cool, dry area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Substance contains no components or products of decomposition according to Point 10, with limit values related to the place of work, which require monitoring. However, manufacturer recommends:

Poly Methyl Methacrylate	CAS No. 9011-14-7
WEL	10mg/m^3

8.2 Exposure controls

General protective measures:	Usual precautionary measures should be employed when handling the material.

8.3 Personal Protective Equipment

Hygiene measures:	Use hygienic measures for dental practice.
Respiratory protection:	If workplace exposure limit is exceeded (leakage, spillage) apply dust mask with P2 particle filter.
Hand protection:	In practise, as the product is a preparation of several substances, resistance tests of glove materials cannot be conducted in advance and should be performed by the end user prior to application. A suitable glove type should be selected for each work environment. On the whole, for permanent contact in work areas, natural latex (NR) gloves are suitable.
Eye protection:	No required but safety goggles are recommended.
Body protection:	On handling larger quantities: light weight protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Form:	Powder
Colour:	According to product specification
Odour:	None
Melting temperature:	n/a
Boiling temperature:	n/a
Flashpoint:	n/a
Ignition temperature:	>400°C
Lower Explosion Limit:	20g/m^3
Upper Explosion Limit:	Not determined
Vapour Pressure:	n/a
Relative Density:	1.2g/cm^3 @ 20°C
Relative Vapour Density:	n/a
Solubility in water:	Not soluble
Solubility (Qualitative):	Soluble in organic solvents
pH value:	n/a
Partition Co-efficient:	n/a
Viscosity (Dynamic):	Not determined

9.2 Other information

The product is not self-igniting or explosive. However formation of explosive powder/air mixtures is possible.

10. STABILITY AND REACTIVITY

10.1 Reactivity

Avoid contact with other chemicals.

10.2 Chemical stability

Stable under normal temperature conditions and when used as directed. Decomposition can occur at elevated temperatures (>250°C), releasing potentially irritating vapours (methyl methacrylate).

10.3 Possibility of hazardous reactions

No hazardous reactions known when used as directed.

10.4 Conditions to avoid

The product is supplied in a stable form. Protect from humidity.

10.5 Incompatible materials

None known

10.6 Hazardous decomposition products

Organic products of decomposition. No decomposition occurs when used as directed.

11. TOXICOLOGY INFORMATION

Information on toxicological effects

Metabolism:	-	
Acute Oral Toxicity:	LD_{50} rat (PMMA)	>10000mg/kg
Acute Inhalation Toxicity:	Not toxic	
Acute Dermal Toxicity:	Not toxic	
Caustic Burning/Skin Irritation:	No irritant effect.	
Serious Eye Damage/Irritation:	No irritant effect.	
Respiratory/Skin Sensitisation:	None known.	
Germ Cell Mutagenicity:	Non mutagenic.	
Carcinogenicity:	Non carcinogenic.	
Reprotoxicity/Teratogenicity:	Not toxic.	

General Information

Product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparations. When used and handled according to specifications and GLP, no harmful effects are observed.

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity

Aquatic environment: None, soluble in water (inert polymer).

12.2 Persistence and degradability

Persistence & degradability: None

12.3 Bioaccumulative potential

Bioaccumulation: No evidence for hazardous properties.

12.4 Mobility in soil

Mobility: The substance not water soluble. No evidence for hazardous properties.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Substance:	Waste is non-hazardous and can be disposed of in an incineration plant or approved landfill in accordance with local regulations.
Packaging:	Can be re-used or recycled after cleaning.
List of Waste, LOW:	07 – Wastes from organic chemicals.
	07 02 – Waste from MFSU (manufacture, formulations, supply and

use) of plastics, synthetic rubber and man-made fibres.
07 02 13 – Waste plastic, acrylate co-polymers.
Always check the given waste code according to the actual conditions of manufacturing, formulation or use in your facility.

14. TRANSPORT INFORMATION

14.1 UN proper shipping name
Air Transport ICAO/IATA
14.2 Transport hazard class(es)
Product not classified as hazardous for transport.
14.3 Packing Group
None

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
National Legislation
Product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparations.
15.2 Chemical safety assessment

Labelling in accordance with GefStoffV/EC:	The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials.
Hazard symbols:	None
H-Statements from Section 2:	H303 – May be harmful if swallowed.
R-phrases from Section 2:	R22 – Harmful if swallowed.

16. FURTHER INFORMATION

The data given above covers exclusively the safety requirements of the product(s) and is based on our current knowledge and experience. It does not signify any warranty with regards to the products properties. This product is only supplied for specific uses in dentistry and must be used in accordance with the directions for use.