

1. IDENTIFICATION OF SUBSTANCES / PREPARATION AND COMPANY

Product Name: Pegasus Plus Repair Acrylic Powder
 Product Code: 520, 521, 522

 Application: Repair of acrylic denture bases

 Company: Davis Schottlander & Davis Ltd
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2. HAZARD IDENTIFICATION

Classification of the substance or mixture:

This substance does not meet the criteria for classification in any hazard class according to Regulation (EC) No. 1272/2008 on classification, labelling and packaging of substances and mixtures. However a safety data sheet is being supplied on request as it contains a components for containment and for the recommended use of personal protective equipment.

Label elements:

Signal word: None

GHS Pictogram: None

Hazard Statement: None

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
 Regulation

Hazardous components

For labelling: None

Other hazards: None

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substances

In accordance with Regulation EC 1272/2008

Component	CAS No EC Index No. REACH No. EINECS No.	Content
Poly Methyl Methacrylate	9011-14-7 618-466-4 Pre-registered -	>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.

Self protection for first aider: No special measures required.

Most important symptoms and effects, both acute and delayed: None

Indication of any immediate medical attention and special treatment needed: None

5. FIRE FIGHTING MEASURES**Extinguishing media:**

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

Unsuitable extinguishing media: Do not use direct water stream.

Special hazards arising from the substance or mixture: No

Advice for firefighters: Use water spray to cool unopened containers.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures:**

No special measures required. No dangerous materials are released.

Environmental procedures:

No special measures required.

Methods and material for containment and cleaning up:

Clean up mechanically.

Reference to other sections:

For personal protection see Section 8

For disposal considerations see Section 13

7. HANDLING AND STORAGE**Precautions for safe handling:**

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

Conditions of safe storage, including any incompatibilities:

Store in a cool, dry area.

Specific end use(s):

No

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**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

Exposure controls:**General protective measures:**

Usual precautionary measures should be employed when handling the material.

Personal Protective Equipment:

Hygiene measures: Use hygienic measures for dental practis

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: Not required but safety goggles are recommended.

Body protection: On handling larger quantities, light weight protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

Form:	Powder
Colour:	According to product specification
Odour:	None
Melting Temp:	n/a
Boiling Temp:	n/a
Flashpoint:	n/a
Ignition Temp:	>400°C
Lower Explosion Limit:	20g/m ³
Upper Explosion Limit:	Not determined
Vapour Pressure:	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

Other information:

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

10. STABILITY AND REACTIVITY

Reactivity:

Avoid contact with other chemicals.

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).

Possibility of hazardous reactions:

No hazardous reactions known when used as directed.

Conditions to avoid:

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

Incompatible materials:

None known.

Hazardous decomposition products:

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

11. TOXICOLOGY INFORMATION**Information on toxicological effects:****Metabolism:**

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Acute Oral Toxicity: LD₅₀ 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**Ecotoxicity**

Aquatic Environment: None. Insoluble in water (inert polymer).

Persistence and degradability: None

Biodegradability: Product is solid, chemically inert and non-biodegradable.
No negative effects are known.

Bioaccumulative potential

Bioaccumulative: No evidence for hazardous properties.

Mobility in soil

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

Results of PBT and vPvB assessment

Persistent bioaccumulative or toxic: n/a

Very persistent, very bioaccumulative: n/a

Other adverse effects

General information -

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 to local regulations.

Packaging: Can be re-used or recycled after cleaning.

List of Waste LOW: 07 – Waste from organic chemicals
07 02 – Waste from the MFSU (manufacture, formulation, 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

UN number: -
UN proper shipping name:
 Land Transport ADR/GGVSEB: -
 Land Transport RID/GGVSEB: -
 Inland Waterway Transport ADNR/GGVSEB: -
 Shipment by Sea IMDG/GGVSee: -
 Marine pollutant No
 Air Transport ICAO/IATA

Transport hazard class(es)

Product not classified as hazardous for transport

Packaging group: None
Environmental hazards: Ref to Section 14. Not applicable if unmentioned
Special precautions for user: Refer to Section 14
Transport in bulk according to the IBC code: n/a

15. REGULATORY INFORMATION

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.

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 3: None

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.