



## PSP DENTAL COMPANY LIMITED

### SAFETY DATA SHEET

According to 1907/2006EC Article31

Date of Preparation: 01/2016

Revision: 01/2016

#### Section 1 – Identification of substance /Preparation of Company

##### Product/: Details

Trade Name : Emperor 5/20 (Heat Cure) Powder

Application of the substance : Denture base material

##### Manufacturer / Supplier:

PSP DENTAL COMPANY LIMITED

3-5 Dylan Road

Belvedere

Kent. DA17 5QS

UK

Emergency Telephone Number: +44(0)20- 8311-7337

Emergency Fax Number : +44(0)20- 8310-0920

#### Section 2 - Hazards Identification

##### Classification of the substance or mixture

Skin Irrit. 2 H315 Causes skin irritation. .

Eye Irrit. 2B H320 Causes eye irritation.

**Additional information:** The information provided is in regards to the toxicity and hazard rating(s) of the individual component(s) in the formulation. The associated risk(s) depends on the route(s) of exposure. The hazard rating system is based entirely on the existence of the risk(s) and does not take into account the likelihood of reduced risk(s) through proper usage and handling.

##### Label elements

GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS)

##### Hazard pictograms



GHS07

**Signal word: Warning**

**Hazard statements**

Causes skin and eye irritation

**Precautionary statements:**

Wear protective gloves.

Wash thoroughly after handling.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If on skin: Wash with plenty of water.

**Other Hazards****Results of PBT and vPvB assessment**

PBT: Not applicable.

vPvB: Not applicable.

**Section 3 - Composition / Information on Ingredients****Chemical characterization:****Description:** Mixture of substance listed below with nonhazardous additions

| Ingredient Name          | CAS Number | %  |
|--------------------------|------------|----|
| Poly Methyl Methacrylate | 9011-14-7  | 97 |

**Section 4 - First Aid Measures****Description of first aid measures**

General information: Immediately remove any clothing soiled by the product.

**After inhalation** : Supply fresh air, consultant doctor in case of complaints**After skin contact** : Wash thoroughly with water, if irritation persist seek medical attention**After eye contact** : Rinse opened eye for several minutes under running water, if symptoms persist consult a doctor**After swallowing** : Rinse out mouth. Do not induce vomiting. Drink plenty of water. If symptoms persist consult doctor.**Section 5 - Fire-Fighting Measures****Extinguishing media** :

CO2, extinguishing powder, sand

**For safety reason unsuitable extinguishing agents:**

Water with full jet

**Special hazards caused by the substance:**

Formation of toxic gases is possible during heating or in case of fire

**Advice for fire-fighters**

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

**Section 6 - Accidental Release Measures****Personal precautions related safety precautions:**

Keep away from ignition sources

Avoid contact with skins and eyes

Wear Protective clothing

**Environmental precautions:**

Do not allow to enter sewers /surface or ground water

**Methods for cleaning/collecting:**

Ensure adequate ventilation  
Pick up gloved hand  
Prevent formation of dust  
Dispose of the collected material according to regulations.

## Section 7 - Handling and Storage

### Handling

Product intended for dental use only

### Information for safe handling

Avoid contact with eyes.

Wear protective cloth when risk of exposure occurs

Use in a well ventilated area

Avoid spillages, any spillages may cause floor to become extremely slippery

### Information about fire - and explosion protection:

Dust can combine with air to form an explosive mixture



Do not smoke

### Storage practices and warnings:

Store only in the original package.

Keep container tightly sealed.

Store in a dry area, dry conditions in well sealed receptacles.

Store away from food stuffs.

## Section 8 - Exposure Controls / Personal Protection

### General protective and hygienic measure:

Avoid contact with eyes and skin.

Wash hand before breaks and at the end of work.

Keep away from foodstuffs, beverages and feed.

**Breathing equipment:** Suitable respiratory protective device recommended



**Protective of hands** : Protective gloves



**Eye Protection** : Safety glasses



**Body Protection** : Protective work clothing

## Section 9 - Physical and Chemical Properties

### Information on basic chemical and physical properties

#### General information

**Appearance** : Powder  
**Colour** : Pink  
**Odour** : Typically Methacrylate.

**Change in condition**  
**PH value** : Not applicable  
**Boiling Point (°C)** : Not applicable  
**Melting Range (°C)** : 150-230  
**Vapour Pressure** : N/A  
**Density** : Not determined  
**Flash Point** : N/A  
**Ignition Temperature** : N/A  
**Solubility in Water** : Negligible

## Section 10 - Stability and Reactivity

### Reactivity

Non-reactive material.

### Chemical stability

Stable in normal condition

### Thermal decomposition / conditions to be avoided

No decomposition if used according to specifications

**Possibility of hazardous reactions** : No dangerous reactions known.

**Conditions to avoid** No further relevant information available.

**Incompatible materials:** No further relevant information available

### Hazardous decomposition products:

Methacrylate Monomer Vapours

### Hazardous Reactions :

None Known

## Section 11 - Toxicological Information

### Acute toxicity

**Ingestion** : low oral toxicity  
**On the skin** : Irritant to skin and mucous membranes.  
**On the eye** : Dust may cause irritation  
**Sensitization** : No sensitization possible through skin contact

### Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:  
Irritant

## Section 12 - Ecological Information

**Aquatic toxicity:** The product is predicted to have low toxicity to aquatic organisms

### Persistence and degradability:

The product is non-biodegradable in soil.

There is no evidence of degradation in soil and water..

**Bioaccumulative potential:** The product has low potential for bioaccumulation.

### Mobility in soil

The product is predicted to have low mobility in soil.

### Results of PBT and vPvB assessment

Not classified as PBT or vPvB.

### Other adverse effects

None known.

## Section 13 - Disposal Considerations

**Product:**

**Recommendation:** Must not be disposed with household garbage.  
Do not allow product to reach sewage system.

**Uncleaned packaging:**

**Recommendation** : Disposal must be made according to official regulations

### Section 14 - Transport Information

**UN-Number**

**DOT, ADR, ADN, IMDG, IATA**

Not applicable

**UN proper shipping name**

**DOT, ADR, ADN, IMDG, IATA**

Not applicable

**Transport hazard class(es)**

Not applicable

**Packing group**

Not applicable.

**Environmental hazards:**

Not applicable

**Special precautions for user**

Not applicable.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable.

### Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture .  
No further relevant information available. .

Signal word Warning

Hazard statements

Causes skin and eye irritation.

Precautionary statements Wear protective gloves.

Wash thoroughly after handling.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

If on skin: Wash with plenty of water.

**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### Section 16 – Other Information

This Information is given in good faith, being based on the latest knowledge available to P.S.P.Dental Co. Ltd. No known relevant information has been omitted from the product information, risk information and safety precaution sheets. The user should not assume therefore, the product is suitable for any abnormal use. If the information provided is insufficient to ensure safety in any particular application, please contact P.S.P.Dental Co. Ltd prior to use for further advice.

**Hazard statements**

H319: Causes serious eye irritation.

H241: Heating may cause a fire or explosion.

**Precautionary statements**

Avoid breathing dust/fume/gas/mist/vapors/spray

Wear protective gloves.