



## 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 Ortho Liquid

Application of the substance :

##### 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

Classification according to Regulation (EC) No 1272/2008

Flam. Liq. 2	H225 Highly flammable liquid and vapor.
Acute Tox. 3	H301 Toxic if swallowed.
Resp. Sens. 1	H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin Corr. 1C	H314 Causes severe skin burns and eye damage.
Skin Sens. 1	H317 May cause an allergic skin reaction.
STOT SE 3	H335 May cause respiratory 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



GHS02



GHS05



GHS08

Hazard-determining components of labelling:  
Methyl Methacrylate

**Hazard statements**

H226 Flammable liquid and vapour  
H315 Causes skin irritation  
H317 May cause an allergic skin reaction.  
H335 May cause respiratory irritation.

**Precautionary statements:**

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray  
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.  
Rinse skin with water/shower

**Section 3 - Composition / Information on Ingredients**

**Chemical characterization:**

**Description:** Mixture of substance listed below with nonhazardous additions

Ingredient Name	CAS Number	%	S Phrase	R Phrase
Mehtyl Methacrylate Monomer	80-62-6	95	9-16-29-33	11-36/37/38-43

**Section 4 - First Aid Measures**

**After skin contact** : Wash thoroughly with water, if irritation persist seek medical attention

**After inhalation** : Supply fresh air, consultant doctor in case of complaints

**After eye contact** : Rinse opened eye for several minutes under running water,  
if symptoms persist consult a doctor

**After swallowing** : Rinse out mouth and then drink plenty of water. Do not induce vomiting  
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:**

No further relevant information available.

**Protective equipment:**

Wear suitable protective equipments

**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

Absorb liquid components with liquid-binding material.

Dispose of the collected material according to regulations.

## Section 7 - Handling and Storage

### Handling

Product intended for dental use only

### Precautions for safe handling

Avoid contact with eyes.

Wear protective cloth when risk of exposure occurs

Use in a well ventilated area

Do not inhale dust / smoke / mist

### Information about fire - and explosion protection:

Do not spray on a naked flame or any incandescent material

Keep ignition sources away

Do not smoke



### Storage practices and warnings:

Store only in the original package.

Keep container tightly sealed.

Store in a cool location

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## Section 8 - Exposure Controls / Personal Protection

### Control Parameter

Substance	CAS No.	LTEL ppm (8Hr TWA)	LTEL mg/m <sup>3</sup> (8Hr TWA)	STEL ppm	STEL mg/m <sup>3</sup>
Methyl methacrylate	80-62-6	50	208	100	416

### 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

<b>Appearance</b>	: Liquid
<b>Colour</b>	: Clear liquid
<b>Odour</b>	: Characteristic strong and acrid

#### Change in condition

<b>pH (Value)</b>	: Undetermined
<b>Boiling Point</b>	: 101 °C
<b>Flash Point</b>	: 10°C (TCC)
<b>Melting Point</b>	: Undermined
<b>Vapour Pressure</b>	: Not determined.
<b>Density (g/ml)</b>	: 0.943-1g/ml
<b>Flash Point</b>	: 10°C (TCC)
<b>Solubility in Water</b>	: Slightly soluble in water

## Section 10 - Stability and Reactivity

### Chemical stability

Stable in normal condition

### Reactivity

Will exothermically polymerise in the presence of initiators.

### Thermal decomposition / conditions to be avoided

No decomposition if used according to specifications

### Incompatible materials:

Reacts with oxidizing agents.

Reacts with reducing agents

Reacts with peroxides and other radical forming substances.

Reacts with amines.

Reacts with heavy metals.

### Hazardous decomposition products:

Oxides of carbon. No decomposition occurs when used as directed.

## Section 11 - Toxicological Information

### Acute toxicity :

### Primary irritant effect

Ingestion : Low oral toxicity, but ingestion may cause irritation of the gastrointestinal tract

Inhalation : May cause drowsiness or dizziness.

**On the skin** : Causes skin irritation. Repeated and/or prolonged contact may cause dermatitis..

**On the eye** : High vapour concentration will cause irritation.

**Sensitization** : Sensitization possible through inhalation.  
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:

No further relevant information available

**Persistence and degradability:** No further relevant information available.

**Behaviour in environmental systems** : N/A

**Bioaccumulative potential:** No further relevant information available.

**Mobility in soil** : No further relevant information available.

### Additional ecological information:

#### Results of PBT and vPvB assessment

PBT: Not applicable. vPvB: Not applicable.

### Additional Information:

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system

## 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, IMDG, IATA : UN1247

### UN proper shipping name:

METHYL METHACRYLATE MONOMER, STABILIZED, MIXTURE

### Transport hazard class(es)

#### DOT



**Class** 3 Flammable liquids

**Label** 3

#### ADR



**Class** 3 Flammable liquids

**Label** 3

## IMDG IATA



<b>Class</b>	3 Flammable liquids
<b>Label</b>	3
<b>Packing group</b>	
<b>DOT, ADR, IMDG, IATA</b>	II
<b>Environmental hazards:</b>	
<b>Marine pollutant</b>	No
<b>Special precautions for user</b>	Warning: Flammable liquids
<b>Danger code (Kemler)</b>	339
<b>EMS Number</b>	F-E,S-D
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not applicable

### Section 15 - Regulatory Information

**Safety, health and environmental regulations/legislation specific for the substance or mixture -**

**Risk phrases :**

11 – 36/37/38 – 43/

Highly flammable. Irritating to eyes, skin and respiratory system. May cause sensitisation by skin contact .

**Safety phrases :**

9 –16-29-33. Keep container in a well ventilated place.

Do not empty into drains.

Take precautionary measures against static discharges.

**Hazard Symbols:** Highly flammable and irritant.

**Label Name** : Methyl Methacrylate

**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.