



MATERIAL SAFETY DATA SHEET

Product Identity:

ZAP - ACRYLIC (Powder)

SECTION I.

Identification

ORIGINATED: OCT.2012

Manufacturer

Dental Ventures of America Inc.
1787 Pomona Rd, Suite C
Corona, CA. 92880

Emergency Telephone Number:

Infotrack (800) 535 - 5053

Product Information Number:

(951) 270 - 0606

SECTION II.

Composition/Information on Ingredients

Classification of the substance or mixture

This substance is classified as non-hazardous according to GHS

Regulation EC1272/2008

Label elements

In Accordance with Regulation EC 1272/2008

Signal word

None

GHS Pictogram

None

Hazard Statement

None

Precautionary Statement

(Prevention) P281

Use personal protective equipment as required

(Response) P312

Call a POISON CENTER 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

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

Labelling in accordance
with EC Directives

None

Hazard Symbols

None

Risk-Phrases

None

Safety-Phrases

S9 Keep container in a well-ventilated place

S33 Take precautionary measures against static discharges

S36 Wear suitable protective clothing

SECTION III.

Hazardous Ingredients/Identify Information

In Accordance with Regulation EC 1272/2008

COMPONENT	CAS NO. EC INDEX NO. REACH NO. EINECS NO.	CONTENT	HAZARD/CATEGORY/STATEMENT
Poly Methyl Methacrylate	9011-14-7 618-466-4 Pre-registered-	>97% -	

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 -		>97%

Product: **ZAP - ACRYLIC (Powder)****SECTION IV. First Aid Measures**

General advice	No special measures required.
Inhalation	This product is not a respiratory irritant.
Skin contact	This 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.

Most important symptoms and effects, both acute and delayed. None
 Indication of any immediate medical attention and special treatment needed - No

SECTION V. Fire-Fighting Measures

Extinguishing media	Suitable extinguishing media	Water mist, extinguishing powder, carbon dioxide
	Unsuitable extinguishing media	Do not use a direct water stream.
Special hazards arising from the substance or mixture		None
Advice for firefighters	Use water spray to cool unopened containers.	

SECTION VI. 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.

SECTION VII. Handling and Storage

Precautions for safe handling	Only adequately trained personnel should handle the product. Use hygienic measures for dental practice.
Conditions of safe storage, including any incompatibilities	Store in a cool, dry area.

SECTION VIII. 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 protective measures	Usual precautionary measures should be employed when handling the material.
Personal Protective Equipment	Hygiene measures Use hygienic measures for dental practise.
Respiratory protection	If workplace exposure limit is exceeded (leakage, spillage), apply dust mask with P2 particle filter.
Hand protection	In practice, 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.

Product: **ZAP - ACRYLIC (Powder)****SECTION IX.****Physical and Chemical Properties**

Form	Powder	Colour	White	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	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

This product is not self-igniting or explosive, however formation of explosive powder/air mixtures is possible.

SECTION X.**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.

SECTION XI.**Toxicological Information**

Metabolism -	
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.

SECTION XII.**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	Bioaccumulation No evidence for hazardous properties
Mobility in soil	Mobility The substance 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

SECTION XIII.**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 Wastes 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.

SECTION XIV.**Transportation Information**

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.

Packing group

None

Environmental hazards

Refer to section , not applicable if unmentioned

Special precautions for user

Refer to section 14.2

Transport in bulk according to the IBC code n/a

SECTION XV.**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

R-phrases from Section 3

None

SECTION XVI.**Other**

The substance is supplied in a stabilized form. These data are based on our current knowledge and experience, however do not constitute a guarantee for any specific product feature.

The instructions given here are valid only for the substance as supplied, not for derivatives resulting from its use.

The data herein relates to the product named and is based upon information that Dental Ventures of America, Inc. believes to be reliable and accurate. No warranty expressed or implied is intended. Users of this product have the responsibility to determine the suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. This information is offered solely for your consideration and interpretation.