## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME: Texton Powder and Liquid

USE/APPLICATION: Denture Filling Material
Construction of Dental Inlays & Dentures

SUPPLIER:

Prima Dental Group
Stephenson Drive
Gloucester
GL2 2HA
United Kingdom

Phone: +44(0)1452 729751
Fax: +44(0)1452 307187

sales@primadentalgroup.com

Emergency Contact Number +44(0) 1452 729751 (Office Hours)

## 2. HAZARDOUS INGREDIENTS

| CHEMICAL | CAS No | %w/w | CLASS |
| --- | --- | --- | --- |
| POWDER | | | |
| Methyl Methacrylate | None | >98.0 | Irritant Polymer |
| LIQUID | | | |
| Methyl Methacrylate | 80-62-6 | >98.0 | Irritant monomer |

All other ingredients are non-hazardous or non-hazardous at the levels of inclusion

## 3. HAZARDS IDENTIFICATION

PRIMARY HAZARD: *POWDER - Irritant*
*LIQUID - Highly Flammable*

SECONDARY HAZARDS: *LIQUID - Irritant*

## 4 FIRST AID MEASURES

INHALATION: POWDER and LIQUID - Inhalation is irritant to the respiratory mucosa. Liquid vapour may be narcotic. Remove patient to the fresh air and seek medical assistance.

SKIN CONTACT: POWDER and LIQUID - May cause irritation and sensitization; wash off immediately with soap and water.

EYE CONTACT: POWDER and LIQUID - May be irritant to eyes, rinse immediately with copious amounts of cold water and seek medical assistance.

INGESTION: POWDER and LIQUID - May be irritant if ingested, rinse mouth with water and seek medical assistance.

**MEDICAL INFORMATION:**

## 5. FIRE FIGHTING MEASURES:

EXTINGUISHING MEDIA: $CO_2$, Powder, Foam

FIRE FIGHTING TECHNIQUES: Liquid is highly flammable and may cause an explosion. Cool containers with water spray, Vapour is heavier than air and may travel to ignition source or enter drains, cellars etc. Wear approved self-contained breathing apparatus.

EXPLOSION HAZARD: Liquid may cause an explosion.

## 6. ACCIDENTAL RELEASE MEASURES:

Contain powder and transfer to suitable containers for disposal.
Absorb liquid onto inert media and transfer to suitable containers for disposal.
Wear PPE as indicated below.

## 7. HANDLING & STORAGE

STORAGE CONDITIONS: Store above freezing and below 30$^{o}$C. Store large quantities of liquid in secure flammable store.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

OCCUPATIONAL EXPOSURE LIMITS:

| CHEMICAL | OES | MEL |
| --- | --- | --- |
| Acrylic Acid | 100ppm | (LTEL) |
| | 125ppm | (STEL) |

ENGINEERING CONTROLS: Use under local exhaust ventilation.

RESPIRATORY PROTECTION: None applicable

EYE PROTECTION: Wear safety glasses

HAND/SKIN PROTECTION: Wear latex or neoprene gloves

## 9. PHYSICAL/CHEMICAL CHARACTERISTICS

PHYSICAL FORM: Powder chemically cured on addition of liquid.

DENSITY: POWDER - 1.1 - 1.2 g/ml
LIQUID - 0.94 g/ml

APPEARANCE/COLOUR: Off-white powder
Clear labile liquid

ODOUR: *LIQUID* - Strong choking, lachrymatory odour

SOLUBILITY: Insoluble

Ph: N/A MPt.: N/A BPt.: 101$^{o}$C FPt.: - 48$^{o}$C

Flash point: LIQUID: 8$^{o}$C

## 10. REACTIVITY DATA

STABILITY: Liquid can explode on uncontrolled polymerisation or when heated.

INCOMPATIBLE WITH: Strong oxidising or reducing agents, acids and alkalis.

DECOMPOSITION PRODUCTS: Water, carbon dioxide and solid residue

## 11. TOXICOLOGICAL INFORMATION

LIQUID - Oral - $LD_{50}$ rat: >5000mg/kg
LIQUID - Dermal - $LD_{50}$ rabbit: >5000mg/kg
LIQUID - Inhalation - $LC_{50}$ rat: 7094 ppm (4hr)

TOXICITY BY INHALATION: Irritant

TOXICITY BY SKIN CONTACT: Irritant

TOXICITY BY EYE CONTACT: Irritant

TOXICITY BY INGESTION: Irritant to intestinal mucosa

SENSITISATION: Sensitisation can occur by inhalation or skin contact.

CARCINOGENICITY: Uncontrolled use of methyl methacrylate monomer in large quantities between 1933 and 1945 produced a higher than average incidence of colorectal cancers. Subsequent studies have not confirmed this incidence.

MUTAGENICITY: N/A

## 12. ECOLOGICAL INFORMATION

None applicable

## 13. DISPOSAL CONSIDERATIONS

This material can be safely disposed of by incineration.

## 14. TRANSPORT INFORMATION

UN No.: LIQUID – 1247 CAS No. LIQUID - 80-62-6

CHIPS CLASSIFICATION FOR SUPPLY: Highly flammable

CHIPS CLASSIFICATION FOR CARRIAGE: Flammable liquid

## 15. REGULATORY INFORMATION

HEALTH CLASSIFICATION: Irritant

ENVIRONMENTAL CLASSIFICATION: None

FIRE CLASSIFICATION: *LIQUID - Highly flammable*

RISK PHRASES:

LIQUID - R11 Highly flammable
R36/37/38 Irritating to eyes, respiratory system and skin
R43 May cause sensitization by skin contact

SAFETY PHRASES:

LIQUID - S2 Keep out of reach of children
S9 Keep container in a well ventilated place
S16 Keep away from sources of ignition - No smoking
S29 Do not empty into drains

## 16. OTHER INFORMATION AND REFERENCES

The Chemicals (Hazard Information and Packaging) Regs. 2009
The Control of Substances Hazardous to Health Regulations 2002
HSE guidance on Occupational Exposure Limits (current edition)