

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE /MIXTURE AND OF THE COMPANY/UNDERTAKING

**1.1 Product Identifier:** Top Comfort.

**1.2 Recommended use and restrictions on use:** Is indicated to coat protruding and/or sharp parts of brackets or tubes that contacts cheek or tongue, forming a roundish and smooth surface that prevents abrasions, perforations and other forms of local irritation.

**1.3 Supplier's details:** Dentscare Ltda, Avenida Edgar Nelson Meister, 474, Joinville, Brasil.

**1.4 Emergency telephone number:** xx55 47 3441 6100.

## SECTION 2: HAZARD IDENTIFICATION

**2.1 Hazard classification:** Irritant.

**2.2 Label elements:** Professional use only.



**Irritant**

**2.3 Other hazards:** The material is contraindicated if the person is allergic to any of the ingredients of the product .

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

**3.1 Chemical characterization:** Mixture.

INGREDIENT:	CAS N. A:	CLASSIFICATION:	% CONCENTRATION:
Glass barium boro -alumino	-	-	40-65%
BIS (GMA)	1565-94-2	R36/37/38	15-20%
UDMA	41137-60-4	Xi; R36/38	10-20%
TEGDMA	109-16-0	R36/37/38	10-20%

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

**4.1.1 Inhalation:** Not relevant Unlikely route of exposure as the product does not contain volatile substances.

**4.1.2 Skin contact:** Wash with soap and water abundantly. If symptoms persist, seek medical assistance.

**4.1.3 Eye contact:** Wash with water abundantly. If symptoms persist, seek medical assistance.

**4.1.4 Ingestion:** If ingested, do not cause vomiting, and seek medical assistance immediately, taking the packaging or label with you.

**4.2 Most important symptoms and effects, both acute and delayed:** Not expected to present a significant hazard under anticipated conditions of normal use.

**4.3 Indication of any immediate medical attention and special treatment required:** Not applicable.

## SECTION 5: FIRE-FIGHTING MEASURES

**5.1 Suitable extinguishing media:** Non-defined.

**5.2 Special hazards arising from the substance or mixture:** Non-defined.

**5.3 Special protective actions for fire-fighters:** Non-defined.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**6.1 Personal precautions, protective equipment and emergency procedures:** Non-defined.

**6.2 Environmental precautions:** Non-defined.

**6.3 Methods and material for containment and cleaning up:** Wash the area with water.

**6.4 Reference to other sections:** Non-defined.

## SECTION 7: HANDLING AND STORAGE

**7.1 Precautions for safe handling:** Keep it away from high temperatures.

**7.2 Conditions for safe storage including any incompatibilities:** Keep the product in a cool place with the packing always well shut and protected. Avoid exposure to direct sunlight. Keep at temperatures of 5° - 35°C/ 41° - 95°F.

**7.3 Specific end use(s):** The identified uses for this product are detailed in Section 1.2.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1 Control parameters:** Not Applicable.

**8.2 Exposure controls**

**8.2.1 Eye/face protection:** Use protective eyewear.

**8.2.2 Skin protection – hand protection:** Use protective latex gloves.

**8.2.3 Skin protection - other:** Not required.

**8.2.4 Respiratory protection:** Not required.

**8.2.5 Thermal hazards:** Not required.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**9.1 Information on basic physical and chemical properties**

a) **Appearance (form and colour):** Viscous paste.

b) **Smell:** Odourless.

c) **Odour threshold:** No data available.

d) **pH:** No data available.

- e) **Melting point/Melting range:** No data available.
- f) **Boiling point/Boiling range:** Not applicable.
- g) **Flash point:** Not Applicable.
- h) **Evaporation rate:** Not Applicable.
- i) **Flammability (solid, gaseous):** No data available.
- j) **Lower/upper explosion limit:** No data available.
- k) **Vapor pressure:** Not Applicable.
- l) **Vapor density:** Not Applicable.
- m) **Relative density:** No data available.
- n) **Solubility (s):** Insoluble in water, partially soluble in organic solvents.
- o) **Partition coefficient: n-octanol/water:** Not Applicable.
- p) **Autoignition temperature:** Not Applicable.
- q) **Decomposition temperature:** Not Applicable.
- r) **Viscosity:** No data available.
- s) **Explosive properties:** Not Applicable.
- t) **Oxidising properties:** Not Applicable.

9.2 **Other information:** Not Applicable.

## SECTION 10: STABILITY AND REACTIVITY

10.1 **Reactivity:** Not Applicable.

10.2 **Chemical stability:** No.

10.3 **Possibility of hazardous reactions:** None.

10.4 **Conditions to avoid:** Avoid exposing the product to blue or ultraviolet light and intense heat – spontaneous polymerization occurs.

10.5 **Incompatible materials:** Not Applicable.

10.6 **Hazards decomposition products:** CO<sub>2</sub>.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

11.1.1 **Acute toxicity:** Oral - *Rattus norvegicus* - lineage Wistar – single dose : 2000mg / kg - 14 days. During the trial period, there was no mortality or any other symptoms among the animals tested. The product complies with the requirements of absence of toxicity.

11.1.2 **Irritation:** May be irritating to eyes and skin.

11.1.3 **Corrosion:** Not Applicable.

11.1.4 **Sensitization:** Not Applicable.

11.1.5 **Repeated dose:** Not Applicable.

11.1.6 **Carcinogenicity:** Not Applicable.

11.1.7 **Mutagenicity:** Not Applicable.

**11.1.8 Reproductive toxicity:** Not Applicable.

## SECTION 12: ECOLOGICAL INFORMATION

**12.1 Toxicity:** No data available.

**12.2 Persistence and degradability:** No data available.

**12.3 Bioaccumulative potential:** No data available.

**12.4 Mobility in soil:** No data available.

**12.5 Results of PBT and vPvB assessment:** No data available.

**12.6 Other adverse effects:** No data available.

## SECTION 13: DISPOSAL CONSIDERATIONS

**13.1 Waste treatment methods:** In accordance with the governmental regulations of your country.

## SECTION 14: TRANSPORT INFORMATION

**14.1 UN-Number:** Not Applicable.

**14.2 UN proper shipping name:** Not Applicable.

**14.3 Transport hazard class(es):** Not Applicable.

**14.4 Packing group:** Not Applicable.

**14.5 Environmental hazards:** Not Applicable.

**14.6 Special precautions for user:** Not Applicable.

**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not Applicable.

## SECTION 15: REGULATORY INFORMATION

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:** These Material Safety Data were prepared according to Regulation (EC) N° 453/2010.

**15.2 Chemical Safety Assessment:** Not Applicable.

## SECTION 16: OTHER INFORMATION

The information and recommendations are based on the MSDS and information of the raw material manufacturers.

Dentscare Ltda CNPJ 05.106.945/000106, is not responsible for the accuracy of this information or the need for additional information.