

## 1. IDENTIFICATION

Product Identifier:	Vittra APS Unique Flow
Relevant Identified Uses:	Indicated for bases under direct restorations and repairs for minimally invasive cavity preparations.
Manufacturer:	Dentscare LTDA
Address:	Avenida Edgar Nelson Meister, 474 – Joinville, SC - Brazil
Telephone Number:	+55 47 3441-6100 (Brazil)
Emergency Phone Number:	0800 644 6100 (Brazil)
E-mail Address:	cr@fgm.ind.br (Brazil)

## 2. HAZARDS IDENTIFICATION

Classification of the Mixture:	Skin corrosion/irritation – Category 2 Serious eye damage – Category 2A. Skin sensitisation and/or respiratory sensitisation: Category 1
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Classification System Adopted:	Globally Harmonized System of Classification – Eighth revised edition
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### LABEL ELEMENTS

Hazard Symbols:



Signal Words:	Warning
Hazard statement:	H315 – Causes skin irritation. H319 - Causes serious eye irritation. H317 – May cause an allergic skin reaction.

### PRECAUTIONARY STATEMENTS

Prevention

P261 - Avoid breathing dust/fume/gas/mist/vapours/ spray.  
P264 – Wash thoroughly after handling.  
P272 - Contaminated work clothing should not be allowed out of the workplace.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection

Response:

IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: get medical help. Take off contaminated clothing and wash it before reuse.

IF ON EYES: Wash with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical help.

Storage

Not applicable

Disposal

P501 - Dispose of contents/container in accordance with local/regional/national/international regulation



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### 3. COMPOSITION/ INFORMATION ON INGREDIENTS

**Common Chemical Name:** Vittra APS Unique Flow Unichromatic Light-curing Fluid Composite Resin

**INGREDIENTS OR IMPURITIES THAT CONTRIBUTE TO THE HAZARD:**

Ingredient	CAS Number	Percentages (%)
Urethane Dimethacrylate	72869-86-4	10 - 40
Triethylene glycol Dimethacrylate	109-16-0	1 - 10
Inert Glass	Property*	40 - 80
Antioxidant	Property*	< 1,0
Cationic Initiator	Property*	< 1,0
Ethyl 4-Dimethylaminobenzo	10287-53-3	< 1,0
Camphorquinone	10373-78-1	< 1,0

\*Confidential business information is retained

### 4. FIRST-AID MEASURES

<b>Inhalation:</b>	Remove person to fresh air and keep comfortable for breathing. If symptoms persist, get medical help.
<b>Skin contact:</b>	Take off immediately all contaminated clothing. Rinse affected areas with water (or shower). Wash contaminated clothing before reuse. Wash with plenty of water. If skin irritation or rash occurs: Get medical help.
<b>Eye contact:</b>	Rinse cautiously for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms persist, seek medical attention.
<b>Ingestion:</b>	Rinse mouth. Do NOT induce vomiting. If symptoms persist, seek medical attention.
<b>Most important symptoms/effects, acute and delayed:</b>	Not available
<b>Personal protective equipment for first-aid responders:</b>	Not available

### 5. FIRE-FIGHTING MEASURES:

<b>Suitable Extinguishing Media:</b>	Misty water foam, CO2 and dry powder
<b>Specific Hazards arising from the chemical:</b>	The product can decompose into CO and CO2 during combustion.
<b>Special protective actions for fire-fighters:</b>	Wear self-contained breathing apparatus and protection in case of fire. Wear personal protective equipment. Put people safe. Avoid contact with eyes and skin.

### 6. ACCIDENTAL RELEASE MEASURES

#### 6.1. Personal Precautions, Protective equipment and emergency procedures:

- 6.1.1. For non-emergency personnel: Avoid contact with the product. Evacuate personnel to safety áreas, and keep them in a downwind from the spill.
- 6.1.2. For emergency responders: Wear suitable protective equipment.



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- 6.2. Environmental Precautions: Do not send product to wastewater network.
- 6.3. Methods and materials for containment and cleaning: Pick up residues without raising dust. Keep in suitable closed containers for disposal.

#### **7. HANDLING AND STORAGE:**

**Precautions for safe handling:** Technical Measures: handle in accordance with good industrial hygiene and safety practice. Requires good ventilation in the workplace. When operating with the product, do not eat, drink or smoke. Minimize product contact with skin and eyes.

In the loading and unloading operation, it is necessary to avoid falling the packaging, descending ramps without protection, rolling on rough terrain to avoid punctures or any damage to the packaging.

**Conditions for safe storage, including any incompatibilities:** Containers with the product must be stored on platforms, protected from light and heat. The heaviest packages must be unloaded with fork-lifts

The containers must be well closed and stored in a ventilated and identified place, avoid: exposure of the product under sun, rain or high temperatures. Store between 5 ° C and 30 ° C, protected from direct light.

#### **8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:**

##### **CONTROL PARAMETERS**

Occupational Exposure Limits: Not available

Appropriate engineering controls: Not available

##### **INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT**

Proteção dos olhos/face: Wear eye protection

Proteção da pele e corpo: Wear gloves

Proteção respiratória: Wear mask

#### **9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical State: Fluid (pasty)  
Colour: White  
Odour: Characteristic  
pH: Not available  
Melting Point: Not available  
Boiling Point: Not available  
Flash point: Not available  
Lower and upper explosion limit/flammability limit: Not available  
Pressão de vapor: Not available



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Relative Density:	Not available
Solubility:	Not available
Decomposition Temperature:	Not available
Viscosity:	Not available

#### **10. STABILITY AND REACTIVITY**

Reactivity:	Not available
Chemical Stability:	Stable product under recommended storage conditions.
Possibility of Hazard Reaction:	Not available
Conditions to avoid:	Direct exposure to sunlight and high temperatures can cause product degradation, avoid leaving the packaging open after use.
Incompatible Materials:	Highly oxidizing materials
Hazards Decomposition products:	The product can decompose into CO and CO <sub>2</sub> during combustion.

#### **11. TOXICOLOGICAL INFORMATION:**

Acute Toxicity:	Product not classified as acute toxic by mouth.
Skin corrosion/irritation:	The product contains methacrylic monomers that can cause mild allergic or irritating reactions in sensitive patients.
Serious Eye damage/irritation:	May cause damage
Respiratory or skin sensitization:	May cause skin sensitization
Germ cell mutagenicity:	Not available
Carcinogenicity:	Not available
Reproductive toxicity:	Not available
STOT – Single exposure:	Not available
STOT – Repeated exposure:	Not available
Aspiration hazard:	Not available

#### **12. ECOLOGICAL INFORMATION:**

Toxicity:	Not available
Persistence and degradability:	Not available
Bioaccumulative potential:	Not available
Mobility in soil:	Not available
Other adverse effects:	Not available

#### **13. DISPOSAL CONSIDERATIONS:**

Product and product remains:	Always exhaust the possibilities of reusing the product in the manufacturing process. In case it is not possible, incineration or landfill according to federal or regional regulations.
Used packaging:	Dispose of the packaging in accordance with local and national regulations.

#### **14. TRANSPORT INFORMATION:**

**BRAZIL REGULATIONS: ANTT**

**UN Number:** Not classified as dangerous for transport



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UN Proper Shipping Name: Not classified as dangerous for transport  
Transport Hazard Class: Not classified as dangerous for transport  
Packing Group: Not classified as dangerous for transport

**INTERNATIONAL REGULATIONS: IATA**

UN Number: Not classified as dangerous for transport  
UN Proper Shipping Name: Not classified as dangerous for transport  
Transport Hazard Class: Not classified as dangerous for transport  
Packing Group: Not classified as dangerous for transport

**15. REGULAMENTORY INFORMATION:**

Not available

**16. OTHER INFORMATION:**

**PROFESSIONAL USE ONLY.**

The information used in the development of this SDS comes from the SDS of the raw materials used in the development of the product.

Dentscare Ltda is not responsible for the accuracy of this information or the need for additional information.