

## SAFETY DATA SHEETS

**This SDS packet was issued with item:**

070411686

**The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).**

076663629 076663637 076663645 076663652 076663785 076663801 076663819 076663827 076663835 076663843  
076663850 076663868 076663876 076663934 076663942 076663959 076663967 076664049 076664056 076664064  
076664072

**The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).**

072157527

# Versa-Temp Temporary Crown + Bridge Material, all shades

# Material Safety Data Sheet

72010/MS, Rev. A

Last revised 24-Jan-2002

Approved for Use: 24-Jan-2002

Approved By: C. Smith

## 1. Chemical Product and Company Identification

Product Name: Versa-Temp Temporary Crown + Bridge Material

Responsible Manufacturer:

Sultan Chemists, Inc.

85 West Forest Ave. • Englewood, NJ 07631 USA

Telephone: 201-871-1232

## 2. Composition / Information on Hazardous Ingredients

Hazardous Ingredients	CAS#	Percentage
Preparation of bis-GMA, multifunctional methacrylates, polymerization activator.		

## 3. Hazards Identification

Acute Health Hazards: May cause eye, respiratory and skin irritation in high concentrations.

Chronic Health Hazards: Material is not known to cause significant health problems.

Signs and Symptoms of Exposure: High concentrations can cause eye and respiratory irritation.

Primary routes of exposure: Inhalation, skin contact, eye contact

Carcinogenicity: NTP – no, OSHA – no, IARC – no.

## 4. First Aid Measures

In case of inhalation: If irritation occurs, take victim to open air. If breathing difficulty persists, consult a physician.

In case of skin contact: Wash with soap and water.

In case of eye contact: Flush with large quantities of water for 15 minutes. Consult a physician.

In case of ingestion: Ingestion of small amounts of material will not cause a problem. In the case of ingestion of large quantities, consult a physician.

## 5. Fire-Fighting Measures

Extinguishing Media: Carbon dioxide, water spray, dry chemical

Special Fire Fighting Procedures: Avoid a direct jet of water.

Unusual Fire and Explosion Hazards: None

## 6. Accidental Release Measures

Environmental Precautions: Avoid seepage into sewers and water supplies.

Clean-Up Procedure: Wipe up spill and dispose of properly.

## 7. Handling and Storage

Handling: No special measures necessary if handled according to instructions.

Storage: Keep container tightly closed when not in use. Store in a cool, dry location. Keep material in original packaging.

## 8. Exposure Controls / Personal Protection

Exposure Controls: Use in well-ventilated areas.

Respiratory Protection: Avoid inhalation of dust. No special protection under normal use.

Hand and Skin Protection: Avoid unnecessary skin contact.

Eye Protection: Wear safety goggles or safety glasses with side shields when handling.

Hygiene Measures: Remove spilled material from skin and clothing. Do not eat or drink when handling this material.

## 9. Physical and Chemical Properties

Appearance: Yellowish colored viscous liquid

Odor: Slight ester-like odor

Boiling Point/Range: > 250° C

Flash Point: > 150° C

Evaporation Rate: > 1 (Water = 1)

Solubility in Water: < 1%

Vapor Density: > 1 (Air = 1)

## 10. Stability and Reactivity

Stability: This material is stable.

Hazardous Reactions: None if handled according to directions

Hazardous Polymerization: May occur.

Conditions to Avoid: Heat, UV light

Incompatibility: Strong reducing agents, free radical initiators.

Hazardous Decomposition Products: Carbon dioxide, water, carbon monoxide, acrylic decomposition products, depending on conditions of heating and burning.

## 11. Toxicological Information

Acute oral toxicity: no data available

Irritation of Skin: dryness and irritation possible upon prolonged exposure

Allergic Effects: Methacrylate sensitive individuals may exhibit an allergic reaction.

## 12. Ecological Information

Do not discharge into sewers or water supplies

Environmental persistence and degradability: no data available

Ecotoxicity: no data available

## 13. Disposal Considerations

May be disposed of in landfill or incinerator in accordance with local, state and federal regulations.

## 14. Transport Information

U.S. DOT Shipping Name: Not Regulated

U.S. DOT Hazard Class: None

U.N. A. Number: None

U.S. DOT Packing Group: None

Other: Not considered hazardous cargo

## 15. Regulatory Information

U.S.-O.S.H.A. Status: This material is not hazardous under the criteria of the U.S. Federal Hazard Communication Standard.

## 16. Other Information

Material should be maintained in original containers. Empty containers should not be re-used.

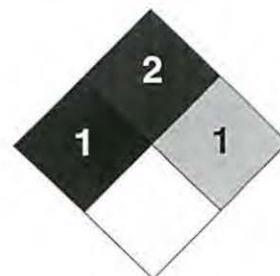
ANSI NFPA 704 Data

Fire = 2

Health = 1

Reactivity = 1

Specific Hazard = None



## Safety Data Sheet

Safety Data Sheet (in compliance with Regulation (EC) 1907/2006, Regulation (EC) 1272/2008 and Regulation (EC) 453/2010)

Date Issued: 25 February 2014  
Document Number: 0072051MS  
Date Revised: 29 January 2015  
Revision Number: 2

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

#### 1.1 Product Identifier:

Trade Name (as labeled): Versa-Temp<sup>®</sup> 2 Temporary Crown & Bridge Resin  
Part/Item Number: 72041, 72051, 72056, 72061, 72066, 72071, 72076

#### 1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against:

Recommended Use: Fabrication of temporary dental crowns and bridges  
Restrictions on Use: For professional use only

#### 1.3 Details of the Supplier of the Safety Data Sheet:

Manufacturer/Supplier Name: Sultan Healthcare  
Manufacturer/Supplier Address: 1301 Smile Way, York, PA 17404  
Manufacturer/Supplier Telephone Number: 1-201-871-1232 or 800-637-8582 (Product Information)-  
Email address: [customer.service@sultanhc.com](mailto:customer.service@sultanhc.com)

#### 1.4 Emergency Telephone Number:

Emergency Contact Telephone Number: 800-535-5053 (INFOTRAC)  
1-352-323-3500  
(Outside the United States – Call Collect)

### 2. HAZARD(s) IDENTIFICATION

#### 2.1 Classification of the Substance or Mixture:

##### GHS Classification:

Health	Environmental	Physical
Eye Irritation Category 2 (H319)	Not hazardous	Not hazardous

EU Classification (1999/45/EC as amended): Irritant (Xi)

EU Risk (R) Phrases: R36

Refer to Section 16 for the full text of the EU Classifications and R Phrases.

## 2.2 Labeling Elements:



**Signal Word: Warning!**

Hazard Statements	Precautionary Statements
H319 Causes serious eye irritation.	P264 Wash thoroughly after handling. P280 Wear eye protection and face protection. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 If eye irritation persists: Get medical attention.

**2.3 Other Hazards: None**

## 3. COMPOSITION AND INFORMATION ON INGREDIENTS

### 3.2 Mixture:

Hazardous Components	C.A.S. # EC#	IUPAC Name	Substance Classification	WT %
<u>Base</u>				
Urethane dimethylacrylate	72869-86-4 / 276-957-5	reaction mass of 7,7,9-trimethyl-4,13-dioxo-3,14-dioxo-5,12-diazahexadecane-1,16-diylbismethacrylate and 7,9,9-trimethyl-4,13-dioxo-3,14-dioxo-5,12-diazahexadecane-1,16-diylbismethacrylate	Xi R43 Skin Sens. 1 (H317)	10-25
Catalyst	Proprietary	Not available	Xn, Xi R22, R41 Eye Dam 1 (H318) Acute Tox. 4 (H302)	<3

<u>Catalyst</u>				
Urethane dimethylacrylate	72869-86-4 / 276-957-5	reaction mass of 7,7,9-trimethyl-4,13-dioxo-3,14-dioxo-5,12-diazahexadecane-1,16-diylbismethacrylate and 7,9,9-trimethyl-4,13-dioxo-3,14-dioxo-5,12-diazahexadecane-1,16-diylbismethacrylate	Xi R43 Skin Sens. 1 (H317)	10-25
Benzoyl Peroxide	94-36-0 / 202-327-6	diphenylperoxyanhydride	E, O, Xi R3, R7, R36, R43 Org. Perox. B (H241) Eye Irrit. 2 (H319) Skin Sens. 1 (H317)	0.1-1

**Refer to Section 16 for the full text of the EU Classifications and R Phrases.**

## 4. FIRST-AID MEASURES

The cured product is not hazardous and first aid will not be needed. The following should be used in case of contact with the uncured product:

<b>4.1 Description of First Aid Measures:</b>	
<b>Routes of Exposure</b>	<b>First Aid Instructions</b>
Eye	Flush eyes with large quantities of water for 15, holding the eyelids apart. Get medical attention if irritation persists.
Skin	Wipe off skin. Wash skin thoroughly with soap and water. If skin irritation occurs, get medical attention.
Inhalation	None needed under normal use conditions. If irritation develops, remove to fresh air and get medical attention.
Ingestion	If small amount are swallowed, no adverse effects are expected. For large amounts, rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious or convulsing person. Get medical attention.

<b>4.2 Most Important Symptoms and Effects, Both Acute and Delayed:</b>
Eye contact may cause eye irritation.

<b>4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed:</b>
None needed under normal conditions of use. If eye irritation occurs, get medical attention.
<b>Note to Physicians (Treatment, Testing, and Monitoring):</b> Treatment of overexposure should be directed at the control of symptoms and clinical conditions.

## 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media:	Use water spray, carbon dioxide or dry chemical. For large fires use water spray or alcohol foam.
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**5.2 Special Hazards Arising from the Substance or Mixture:**

None known.





**5.3 Advice for Fire-Fighters:****Fire Fighting Procedures:**

Cool fire exposed containers and structures with water.

**Precautions for Fire Fighters:**

Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for all fires involving chemicals.



**Recommended Protective Equipment for Fire Fighters:**

EYES/FACE	SKIN	RESPIRATORY	THERMAL
			

**6. ACCIDENTAL RELEASE MEASURES****6.1 Personal Precautions, Protective Equipment and Emergency Procedures:**

Wear appropriate protective eye and skin protection as described in Section 8.

**Recommended Personal Protective Equipment for Containment and Clean-up:**

EYES/FACE	SKIN	RESPIRATORY	THERMAL
			

**6.2 Environmental Precautions:**

Prevent spill from entering sewers and water courses. Report releases as required by local and national authorities.

**6.3 Methods and Material for Containment and Cleaning up:**

Scoop or wipe up and place in appropriate containers for disposal. May cause a slip hazard. Wash spill area with soap and water.

**6.4 Reference to Other Sections:**

Refer to Section 8 for Personal Protective Equipment and Section 13 for Disposal information.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for Safe Handling:

Avoid contact with the eyes. Wash hands thoroughly after handling. Use in accordance with package instructions.

### 7.2 Conditions for Safe Storage, Including Any Incompatibilities:

Store in accordance with package instructions.

### 7.3 Specific End Use (s): For professional use only.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control Parameters:

#### Occupational Exposure Limits:

Urethane dimethylacrylate	United States	None Established
	Germany	None Established
	United Kingdom	None Established
	France	None Established
	Spain	None Established
	Italy	None Established
	European Union	None Established
Catalyst	United States	None Established
	Germany	None Established
	United Kingdom	None Established
	France	None Established
	Spain	None Established
	Italy	None Established
	European Union	None Established

**Biological Exposure Limits:** None Established

### 8.2 Exposure Controls:

**Appropriate Engineering Controls:** No special controls required.

#### Individual Protection Measures (PPE)



**Specific Eye/face Protection:** Chemical safety glasses recommended if contact is possible.

**Specific Skin Protection:** Wear impervious gloves such as butyl rubber to prevent skin contact. Recommended glove: Butyl rubber. Consult glove supplier for thickness and breakthrough times.

**Specific Respiratory Protection:** None required under normal use conditions.

**Specific Thermal Hazards:** Not applicable



Recommended Personal Protective Equipment:			
EYES/FACE	SKIN	RESPIRATORY	THERMAL
			

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Colored paste	<b>Explosive limits:</b>	Not applicable
<b>Odor:</b>	Characteristic odor	<b>Vapor pressure:</b>	Not applicable
<b>Odor threshold:</b>	Not available	<b>Vapor density:</b>	Not available
<b>pH:</b>	Not available	<b>Relative density:</b>	Not available
<b>Melting/freezing point:</b>	Not available	<b>Solubility (ies)</b>	Miscible
<b>Initial boiling point and range:</b>	Not available	<b>Partition coefficient: n-octanol/water:</b>	Not available
<b>Flash point:</b>	Not available	<b>Auto-ignition temperature:</b>	Not available
<b>Evaporation rate:</b>	Not available	<b>Decomposition temperature:</b>	Not available
<b>Flammability:</b>	Not flammable	<b>Viscosity:</b>	Not available
<b>Explosive Properties:</b>	None	<b>Oxidizing Properties:</b>	None

**9.2 Other Information:** None available

## 10. STABILITY AND REACTIVITY

**10.1 Reactivity:** Not expected to be reactive.

**10.2 Chemical Stability:** Stable.

**10.3 Possibility of Hazardous Reactions:** Hazardous reactions are unlikely.

**10.4 Conditions to Avoid:** None known.

**10.5 Incompatible materials:** None known.



**10.6 Hazardous Decomposition Products:** None known.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on Toxicological Effects:

The cured product is not hazardous and no effects are expected. The following applies to the uncured product:

#### **Potential Health Effects:**

Eyes: Direct contact with uncured product may cause irritation with redness and tearing.

Skin: Prolonged contact with uncured product may cause irritation.

Ingestion: Swallowing uncured product may cause gastrointestinal irritation and nausea. .

Inhalation: None expected from normal use.

**Chronic Health Effects:** None known.

**Irritation:** Urethane dimethylacrylate is not irritating to rabbit eyes or skin.

**Corrosivity:** The catalyst has been shown to cause severe irritation or eye damage. None of the other components are corrosive to skin or eyes.

**Sensitization:** The product was negative in a skin sensitization test with laboratory animals.

**Carcinogenicity:** None of the components of this product are listed as carcinogens by OSHA, IARC, ACGIH, NTP or EU Directives.

**Mutagenicity:** Urethane dimethylacrylate was negative in the AMES test for mutagenicity.

**Medical Conditions Aggravated by Exposure:** None known.

#### **Acute Toxicity Data:**

Urethane dimethylacrylate: LD50 oral rat >5000 mg/kg

Catalyst: No toxicity data available

**Reproductive Toxicity Data:** No reproductive or teratogenic effects are expected.

#### **Specific Target Organ Toxicity (STOT):**

Single Exposure No data available.

Repeated Exposure: No data available, however, no adverse effects are expected.

## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity:

Urethane dimethylacrylate .48 hr EC50 daphnia magna >1.2 mg/L (100% saturation)

**12.2 Persistence and Degradability:** Urethane dimethylacrylate is not readily biodegradable.

**12.3 Bio-accumulative Potential:** This product is not expected to bio-accumulate.

**12.4 Mobility in Soil:** No data is available.

**12.5 Other Adverse Effects:** None known.

**12.6 Results of PBT/vPvB Assessment:** Not required.

### 13. DISPOSAL CONSIDERATIONS

**13.1 Waste Treatment Methods:**

**Regulations:** Dispose in accordance with local and national environmental regulations.

**Properties (Physical/Chemical) Affecting Disposal:** None known.

**Waste Treatment Recommendations:** None needed for normal anticipated use.

### 14. TRANSPORT INFORMATION

	14.1 UN Number	14.2 UN Proper Shipping Name	14.3 Hazard Class(s)	14.4 Packing Group	14.5 Environmental Hazards
DOT		Not Regulated			Not applicable
ADR/RID		Not Regulated			Not applicable
IMDG		Not Regulated			Not applicable
IATA/ICAO		Not Regulated			Not applicable

**14.6 Special Precautions for User:** Not applicable.

**14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code:** Not applicable – product is transported only in packaged form.

### 15. REGULATORY INFORMATION

**15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture:**

**U.S. Federal Regulations**

**Comprehensive Environmental Response and Liability Act of 1980 (CERCLA):** This product is not subject to CERCLA reporting requirements. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

**Toxic Substances Control Act (TSCA):** This product is a medical device and not subject to chemical notification requirements.

**Clean Water Act (CWA):** Not Listed

**Clean Air Act (CAA):** Not Listed

**Superfund Amendments and Reauthorization Act (SARA) Title III Information:**

**SARA Section 311/312 (40 CFR 370) Hazard Categories:**

<b>Immediate Hazard:</b>	<b>Yes</b>	<b>Pressure Hazard:</b>	<b>No</b>
<b>Delayed Hazard:</b>	<b>No</b>	<b>Reactivity Hazard:</b>	<b>No</b>
<b>Fire Hazard:</b>	<b>No</b>		

**This product contains the following toxic chemical(s) subject to reporting requirements of SARA Section 313 (40 CFR 372):**

<b>Components</b>	<b>C.A.S. #</b>	<b>WT %</b>
None		

**State Regulations**

**California:** This product contains the following chemicals(s) known to the State of California to cause cancer, birth defects or reproductive harm:

<b>Components</b>	<b>C.A.S. #</b>	<b>WT %</b>
None		

**International Regulations**

**Australian Inventory of Chemical Substances:** This product is a medical device and not subject to chemical notification requirements.

**Canadian Environmental Protection Act:** This product is a medical device and not subject to chemical notification requirements.

**China Inventory of Existing Chemicals and Chemical Substances:** This product is a medical device and not subject to chemical notification requirements.

**EU REACH:** This product is a medical device and not subject to chemical notification requirements.

**Japanese Existing and New Chemical Substances:** This product is a medical device and not subject to chemical notification requirements.

**Korean Existing Chemicals List:** This product is a medical device and not subject to chemical notification requirements.

**New Zealand Inventory of Chemicals:** This product is a medical device and not subject to chemical notification requirements.

**Philippine Inventory of Chemicals and Chemical Substances:** This product is a medical device and not subject to chemical notification requirements.

**Taiwan New and Existing Inventory of Chemicals:** This product is a medical device and not subject to chemical notification requirements.

**HMIS Hazard Rating:**

Health – 2      Flammability – 0      Physical Hazard– 0

## 16. OTHER INFORMATION

Full text of Classification abbreviations used in Section 2 and 3:

E Explosive

O Oxidising

Xi Irritant

Xn Harmful

R3 Extreme risk of explosion by shock, friction, fire or other sources of ignition.

R7 May cause fire.

R22 Harmful if swallowed.

R36 Irritating to eyes.

R41 Risk of serious damage to eyes.

R43 May cause sensitization by skin contact.

Org. Perox. B Organic Peroxide Type B

Acute Tox. 4 Acute Toxicity Category 4

Skin Sens. 1 Skin Sensitizer Category 1

Eye Dam. 1 Eye Damage Category 1

Eye Irrit. 2 Eye Irritation Category 2

H241 Heating may cause a fire or explosion.

H302 Harmful if swallowed.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

Date of SDS Preparation/Revision: 25 February 2014

Data Sources: US NLM ChemID Plus and HSDB, Substance SDS for components, IUCLID Dataset EU Chemical Bureau, ESIS, Country websites for occupational exposure limits.