

## **SAFETY DATA SHEETS**

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

075036108

**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).**

075035811 075035845 075035878 075035886 075035894 075035902 075035910 075035928 075035936 075035951  
075035969 075035977 075035985 075035993 075036009 075036017 075036025 075036033 075036041 075036058  
075036066 075036074 075036082 075036090 075036116 075036124 075036132 075036140 075036157 075036173  
075036181 075036199 075036207 075036215 075036223 075036231 075036249 075036256 075042700 075042718  
075042726 075042734 075042742 075042759 075042767 075042775 075042783 075042791 075042809 075042817  
075042825 075042833 075042841 075042858 075042866 075042874



## Material Safety Data Sheet

Copyright, 2011, 3M Company All rights reserved. Copying and/or downloading of this information for the purpose of properly utilizing 3M products is allowed provided that: (1) the information is copied in full with no changes unless prior written agreement is obtained from 3M, and (2) neither the copy nor the original is resold or otherwise distributed with the intention of earning a profit thereon.

This material safety data sheet (MSDS) is provided as a courtesy in response to a customer request. This product is not regulated under, and a MSDS is not required for this product by the OSHA Hazard Communication Standard (29 CFR 1910.1200) because, when used as recommended or under ordinary conditions, it should not present a health and safety hazard. However, use or processing of the product not in accordance with the product's recommendations or not under ordinary conditions may affect the performance of the product and may present potential health and safety hazards.

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** 3M™ ESPE™ GOLD ANODIZED CROWNS  
**MANUFACTURER:** 3M  
**DIVISION:** 3M ESPE Dental Products

**ADDRESS:** 3M Center, St. Paul, MN 55144-1000

**EMERGENCY PHONE: 1-800-364-3577 or (651) 737-6501 (24 hours)**

**Issue Date:** 06/20/11  
**Supercedes Date:** 03/04/11

**Document Group:** 06-2941-0

#### Product Use:

Intended Use: Dental Product  
 Limitations on Use: For use only by dental professionals  
 Specific Use: Dental crowns

### SECTION 2: INGREDIENTS

<u>Ingredient</u>	<u>C.A.S. No.</u>	<u>% by Wt</u>
GOLD PLATED ALUMINUM ALLOY	Mixture	100

### SECTION 3: HAZARDS IDENTIFICATION

#### 3.1 EMERGENCY OVERVIEW

**Odor, Color, Grade:** Odorless, gold

**General Physical Form:** Solid

**Immediate health, physical, and environmental hazards:** This product, when used under reasonable conditions and in accordance

with the 3M directions for use, should not present a health hazard. However, use or processing of the product in a manner not in accordance with the product's directions for use may affect the performance of the product and may present potential health and safety hazards.

### 3.2 POTENTIAL HEALTH EFFECTS

**Eye Contact:**

No health effects are expected.

**Skin Contact:**

No health effects are expected.

**Inhalation:**

No health effects are expected.

**Ingestion:**

No health effects are expected.

## SECTION 4: FIRST AID MEASURES

### 4.1 FIRST AID PROCEDURES

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

**Eye Contact:** No need for first aid is anticipated.  
**Skin Contact:** No need for first aid is anticipated.  
**Inhalation:** No need for first aid is anticipated.  
**If Swallowed:** No need for first aid is anticipated.

## SECTION 5: FIRE FIGHTING MEASURES

### 5.1 FLAMMABLE PROPERTIES

Autoignition temperature	<i>Not Applicable</i>
Flash Point	<i>Not Applicable</i>
Flammable Limits(LEL)	<i>Not Applicable</i>
Flammable Limits(UEL)	<i>Not Applicable</i>

### 5.2 EXTINGUISHING MEDIA

Material will not burn. Use fire extinguishers with class B extinguishing agents (e.g., dry chemical, carbon dioxide).

### 5.3 PROTECTION OF FIRE FIGHTERS

**Special Fire Fighting Procedures:** Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).

**Unusual Fire and Explosion Hazards:** No unusual fire or explosion hazards are anticipated.

**Note:** See STABILITY AND REACTIVITY (SECTION 10) for hazardous combustion and thermal decomposition information.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

Not applicable.

### 6.2. Environmental precautions

Not applicable.

### Clean-up methods

Not applicable.

## SECTION 7: HANDLING AND STORAGE

### 7.1 HANDLING

This product is considered to be an article which does not release or otherwise result in exposure to a hazardous chemical under normal use conditions.

### 7.2 STORAGE

Not applicable.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 ENGINEERING CONTROLS

Not applicable.

### 8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE)

#### 8.2.1 Eye/Face Protection

Not applicable.

#### 8.2.2 Skin Protection

Not applicable.

#### 8.2.3 Respiratory Protection

Not applicable.

#### 8.2.4 Prevention of Swallowing

Not applicable.

### 8.3 EXPOSURE GUIDELINES

None Established

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Odor, Color, Grade:**  
**General Physical Form:**

Odorless, gold  
Solid

<b>Autoignition temperature</b>	<i>Not Applicable</i>
<b>Flash Point</b>	<i>Not Applicable</i>
<b>Flammable Limits(LEL)</b>	<i>Not Applicable</i>
<b>Flammable Limits(UEL)</b>	<i>Not Applicable</i>
<b>Boiling Point</b>	<i>Not Applicable</i>
<b>Density</b>	<i>No Data Available</i>
<b>Vapor Density</b>	<i>Not Applicable</i>
<b>Vapor Pressure</b>	<i>Not Applicable</i>
<b>Specific Gravity</b>	<i>Not Applicable</i>
<b>pH</b>	<i>Not Applicable</i>
<b>Melting point</b>	<i>No Data Available</i>
<b>Solubility in Water</b>	Nil
<b>Evaporation rate</b>	<i>Not Applicable</i>
<b>Volatile Organic Compounds</b>	<i>Not Applicable</i>
<b>Kow - Oct/Water partition coef</b>	<i>No Data Available</i>
<b>Percent volatile</b>	<i>Not Applicable</i>
<b>VOC Less H2O &amp; Exempt Solvents</b>	<i>Not Applicable</i>
<b>Viscosity</b>	<i>Not Applicable</i>

## SECTION 10: STABILITY AND REACTIVITY

**Stability:** Stable.

### Materials and Conditions to Avoid:

#### 10.1 Conditions to avoid

None known

#### 10.2 Materials to avoid

None known

**Hazardous Polymerization:** Hazardous polymerization will not occur.

### Hazardous Decomposition or By-Products

**Substance**

None known.

**Condition**

During Combustion

## SECTION 11: TOXICOLOGICAL INFORMATION

Please contact the address listed on the first page of the MSDS for Toxicological Information on this material and/or its components.

## SECTION 12: ECOLOGICAL INFORMATION

### ECOTOXICOLOGICAL INFORMATION

Not applicable.

## CHEMICAL FATE INFORMATION

Not applicable.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Contact your 3M sales representative for information on reclaiming this product. Product may be recycled. Reclaim if feasible. As a disposal alternative, Dispose of waste product in a sanitary landfill.

**EPA Hazardous Waste Number (RCRA):** Not regulated

Since regulations vary, consult applicable regulations or authorities before disposal.

## SECTION 14: TRANSPORT INFORMATION

### ID Number(s):

70-2005-5672-1, 70-2005-5673-9, 70-2005-5674-7, 70-2005-5675-4, 70-2005-5676-2, 70-2005-5677-0, 70-2005-5678-8, 70-2005-5679-6, 70-2005-5680-4, 70-2005-5681-2, 70-2005-5682-0, 70-2005-5683-8, 70-2005-5684-6, 70-2005-5685-3, 70-2005-5686-1, 70-2005-5687-9, 70-2005-5688-7, 70-2005-5689-5, 70-2005-5690-3, 70-2005-5691-1, 70-2005-5692-9, 70-2005-5693-7, 70-2005-5694-5, 70-2005-5695-2, 70-2005-5696-0, 70-2005-5697-8, 70-2005-5698-6, 70-2005-5699-4, 70-2005-5700-0, 70-2005-5701-8, 70-2005-5702-6, 70-2005-5703-4, 70-2005-5704-2, 70-2005-5705-9, 70-2005-5706-7, 70-2005-5707-5, 70-2005-5708-0, 70-2005-5709-8, 70-2005-5710-6, 70-2005-5711-4, 70-2005-5712-2, 70-2005-5713-0, 70-2005-5714-8, 70-2005-5715-6, 70-2005-5716-4, 70-2005-5717-2, 70-2005-5718-0, 70-2005-5719-8, 70-2005-5720-6, 70-2005-5721-4, 70-2005-5722-2, 70-2005-5723-0, 70-2005-5724-8, 70-2005-5725-6, 70-2005-5726-4, 70-2005-5727-2, 70-2005-5728-0, 70-2005-5729-8, 70-2005-5730-6, 70-2005-5731-4, 70-2005-5732-2, 70-2005-5733-0, 70-2005-5734-8, 70-2005-5735-6, 70-2005-5736-4, 70-2005-5737-2, 70-2005-5738-0, 70-2005-5739-8, 70-2005-5740-6, 70-2005-5741-4, 70-2005-5742-2, 70-2005-5743-0, 70-2005-5744-8, 70-2005-5745-6, 70-2005-5746-4, 70-2005-5747-2, 70-2005-5748-0, 70-2005-5749-8, 70-2005-5750-6, 70-2005-5751-4, 70-2005-5752-2, 70-2005-5753-0, 70-2005-5754-8, 70-2005-5755-6, 70-2005-5756-4, 70-2005-5757-2, 70-2005-5758-0, 70-2005-5759-8, 70-2005-5760-6, 70-2005-5761-4, 70-2005-5762-2, 70-2005-5763-0, 70-2005-5764-8, 70-2005-5765-6, 70-2005-5766-4, 70-2005-5767-2, 70-2005-5768-0, 70-2005-5769-8, 70-2005-5770-6, 70-2005-5771-4, 70-2005-5772-2, 70-2005-5773-0, 70-2005-5774-8, 70-2005-5775-6, 70-2005-5776-4, 70-2005-5777-2, 70-2005-5778-0, 70-2005-5779-8, 70-2005-5780-6, 70-2005-5781-4, 70-2005-5782-2, 70-2005-5783-0, 70-2005-5784-8, 70-2005-5785-6, 70-2005-5786-4, 70-2005-5787-2, 70-2005-5788-0, 70-2005-5789-8, 70-2005-5790-6, 70-2005-5791-4, 70-2005-5792-2, 70-2005-5793-0, 70-2005-5794-8, 70-2005-5795-6, 70-2005-5796-4, 70-2005-5797-2, 70-2005-5798-0, 70-2005-5799-8, 70-2005-5800-6, 70-2005-5801-4, 70-2005-5802-2, 70-2005-5803-0, 70-2005-5804-8, 70-2005-5805-6, 70-2005-5806-4, 70-2005-5807-2, 70-2005-5808-0, 70-2005-5809-8, 70-2005-5810-6, 70-2005-5811-4, 70-2005-5812-2, 70-2005-5813-0, 70-2005-5814-8, 70-2005-5815-6, 70-2005-5816-4, 70-2005-5817-2, 70-2005-5818-0, 70-2005-5819-8, 70-2005-5820-6, 70-2005-5821-4, 70-2005-5822-2, 70-2005-5823-0, 70-2005-5824-8, 70-2005-5825-6, 70-2005-5826-4, 70-2005-5827-2, 70-2005-5828-0, 70-2005-5829-8, 70-2005-5830-6, 70-2005-5831-4, 70-2005-5832-2, 70-2005-5833-0, 70-2005-5834-8, 70-2005-5835-6, 70-2005-5836-4, 70-2005-5837-2, 70-2005-5838-0, 70-2005-5839-8, 70-2005-5840-6, 70-2005-5841-4, 70-2005-5842-2, 70-2005-5843-0, 70-2005-5844-8, 70-2005-5845-6, 70-2005-5846-4, 70-2005-5847-2, 70-2005-5848-0, 70-2005-5849-8, 70-2005-5850-6, 70-2005-5851-4, 70-2005-5852-2, 70-2005-5853-0, 70-2005-5854-8, 70-2005-5855-6, 70-2005-5856-4, 70-2005-5857-2, 70-2005-5858-0, 70-2005-5859-8, 70-2005-5860-6, 70-2005-5861-4, 70-2005-5862-2, 70-2005-5863-0, 70-2005-5864-8, 70-2005-5865-6, 70-2005-5866-4, 70-2005-5867-2, 70-2005-5868-0, 70-2005-5869-8, 70-2005-5870-6, 70-2005-5871-4, 70-2005-5872-2, 70-2005-5873-0, 70-2005-5874-8, 70-2005-5875-6, 70-2005-5876-4, 70-2005-5877-2, 70-2005-5878-0, 70-2005-5879-8, 70-2005-5880-6, 70-2005-5881-4, 70-2005-5882-2, 70-2005-5883-0, 70-2005-5884-8, 70-2005-5885-6, 70-2005-5886-4, 70-2005-5887-2, 70-2005-5888-0, 70-2005-5889-8, 70-2005-5890-6, 70-2005-5891-4, 70-2005-5892-2, 70-2005-5893-0, 70-2005-5894-8, 70-2005-5895-6, 70-2005-5896-4, 70-2005-5897-2, 70-2005-5898-0, 70-2005-5899-8, 70-2005-5900-6, 70-2005-5901-4, 70-2005-5902-2, 70-2005-5903-0, 70-2005-5904-8, 70-2005-5905-6, 70-2005-5906-4, 70-2005-5907-2, 70-2005-5908-0, 70-2005-5909-8, 70-2005-5910-6, 70-2005-5911-4, 70-2005-5912-2, 70-2005-5913-0, 70-2005-5914-8, 70-2005-5915-6, 70-2005-5916-4, 70-2005-5917-2, 70-2005-5918-0, 70-2005-5919-8, 70-2005-5920-6, 70-2005-5921-4, 70-2005-5922-2, 70-2005-5923-0, 70-2005-5924-8, 70-2005-5925-6, 70-2005-5926-4, 70-2005-5927-2, 70-2005-5928-0, 70-2005-5929-8, 70-2005-5930-6, 70-2005-5931-4, 70-2005-5932-2, 70-2005-5933-0, 70-2005-5934-8, 70-2005-5935-6, 70-2005-5936-4, 70-2005-5937-2, 70-2005-5938-0, 70-2005-5939-8, 70-2005-5940-6, 70-2005-5941-4, 70-2005-5942-2, 70-2005-5943-0, 70-2005-5944-8, 70-2005-5945-6, 70-2005-5946-4, 70-2005-5947-2, 70-2005-5948-0, 70-2005-5949-8, 70-2005-5950-6, 70-2005-5951-4, 70-2005-5952-2, 70-2005-5953-0, 70-2005-5954-8, 70-2005-5955-6, 70-2005-5956-4, 70-2005-5957-2, 70-2005-5958-0, 70-2005-5959-8, 70-2005-5960-6, 70-2005-5961-4, 70-2005-5962-2, 70-2005-5963-0, 70-2005-5964-8, 70-2005-5965-6, 70-2005-5966-4, 70-2005-5967-2, 70-2005-5968-0, 70-2005-5969-8, 70-2005-5970-6, 70-2005-5971-4, 70-2005-5972-2, 70-2005-5973-0, 70-2005-5974-8, 70-2005-5975-6, 70-2005-5976-4, 70-2005-5977-2, 70-2005-5978-0, 70-2005-5979-8, 70-2005-5980-6, 70-2005-5981-4, 70-2005-5982-2, 70-2005-5983-0, 70-2005-5984-8, 70-2005-5985-6, 70-2005-5986-4, 70-2005-5987-2, 70-2005-5988-0, 70-2005-5989-8, 70-2005-5990-6, 70-2005-5991-4, 70-2005-5992-2, 70-2005-5993-0, 70-2005-5994-8, 70-2005-5995-6, 70-2005-5996-4, 70-2005-5997-2, 70-2005-5998-0, 70-2005-5999-8, 70-2005-6000-6, 70-2010-8550-6, 70-2010-8603-3

For Transport Information, please visit <http://3M.com/Transportinfo> or call 1-800-364-3577 or 651-737-6501.

## SECTION 15: REGULATORY INFORMATION

### US FEDERAL REGULATIONS

Contact 3M for more information.

### 311/312 Hazard Categories:

Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No Immediate Hazard - No Delayed Hazard - No

### STATE REGULATIONS

Contact 3M for more information.

### CHEMICAL INVENTORIES

This material contains one or more substances not listed on the TSCA Inventory. Commercial use of this material is regulated by the FDA.

Contact 3M for more information.

### INTERNATIONAL REGULATIONS

Contact 3M for more information.

This MSDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.

## SECTION 16: OTHER INFORMATION

### NFPA Hazard Classification

Health: 0 Flammability: 0 Reactivity: 0 Special Hazards: None

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

**Reason for Reissue:** The MSDS has been revised because 3M has adopted the 16-section ANSI/ISO format. The potential hazards of the product have not changed. We encourage you to reread the MSDS and review the information.

#### Revision Changes:

Section 16: Disclaimer (second paragraph) was modified.

Section 14: ID Number(s) Template 1 was modified.

Section 16: Web address was added.

Section 1: Address was added.

Copyright was added.

Company logo was added.

Telephone header was added.

Company Telephone was added.

Section 1: Emergency phone information was added.

Section 1: Emergency phone information was deleted.

Company Logo was deleted.

Copyright was deleted.

Section 16: Web address heading was deleted.

Section 1: Address line 1 was deleted.

Section 1: Address line 2 was deleted.

**DISCLAIMER:** The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued. 3M MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a 3M product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

3M provides information in electronic form as a service to its customers. Due to the remote possibility that electronic transfer may have resulted in errors, omissions or alterations in this information, 3M makes no representations as to its completeness or accuracy. In addition, information obtained from a database may not be as current as the information in the MSDS available directly from 3M

**3M USA MSDSs are available at [www.3M.com](http://www.3M.com)**



## Article Information Letter

Copyright, 2016, 3M Company.

All rights reserved. Copying and/or downloading of this information for the purpose of properly utilizing 3M products is allowed provided that: (1) the information is copied in full with no changes unless prior written agreement is obtained from 3M, and (2) neither the copy nor the original is resold or otherwise distributed with the intention of earning a profit thereon.

<b>Document Group:</b>	06-2941-0	<b>Version Number:</b>	2.00
<b>Issue Date:</b>	02/25/16	<b>Supersedes Date:</b>	07/16/14

### Product identifier

3M™ ESPE™ GOLD ANODIZED CROWNS

### Recommended use

Dental Product, Dental crowns

### Restrictions on use

For use only by dental professionals

### Supplier's details

MANUFACTURER:	3M
DIVISION:	Oral Care Solutions Division
ADDRESS:	3M Center, St. Paul, MN 55144-1000, USA
Telephone:	1-888-3M HELPS (1-888-364-3577)

### Emergency telephone number

1-800-364-3577 or (651) 737-6501 (24 hours)

This Article Information Letter is provided as a courtesy in response to a customer request. A Safety Data Sheet (SDS) has not been prepared for these product(s) because they are articles. Articles are not subject to the Occupational Safety and Health Administration's Hazard Communication Standard (29 CFR 1910.1200(b)(6)(v)). As defined in this standard: "Article" means a manufactured item other than a fluid or particle: (i) which is formed to a specific shape or design during manufacture; (ii) which has end use function(s) dependent in whole or in part upon its shape or design during end use; and (iii) which under normal conditions of use does not release more than very small quantities, e.g., minute or trace amounts of a hazardous chemical, and does not pose a physical or health risk to employees.

This product, when used under reasonable conditions and in accordance with the directions for use, should not present a health hazard. However, use or processing of the product in a manner not in accordance with the product's directions for use may affect the performance of the product and may present potential health and safety hazards.

**DISCLAIMER:** The information in this Article Information Letter (AIL) is believed to be correct as of the date issued. 3M MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a 3M product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

3M provides information in electronic form as a service to its customers. Due to the remote possibility that electronic transfer may have resulted in errors, omissions or alterations in this information, 3M makes no representations as to its completeness or accuracy. In addition, information obtained from a database may not be as current as the information in the SDS available directly from 3M



