

## **SAFETY DATA SHEETS**

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

075041504

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

075039904 075039920 075039938 075039946 075039953 075039961 075039979 075039987 075039995 075040001  
075040019 075040027 075040035 075040043 075040050 075040068 075040076 075040084 075040092 075040100  
075040118 075040126 075040134 075040142 075040159 075040167 075040175 075040183 075040191 075040209  
075040217 075040225 075040233 075040241 075040258 075040266 075040274 075040357 075040373 075040381  
075040399 075040407 075040415 075040423 075040431 075040449 075040456 075040464 075040472 075040480  
075040498 075040506 075040514 075040522 075040530 075040548 075040555 075040563 075040571 075040589  
075040597 075040605 075040613 075040621 075040639 075040647 075040654 075040662 075040670 075040688  
075040696 075040704 075040712 075040720 075040738 075040746 075040753 075040761 075040779 075040787  
075040795 075040803 075040811 075040829 075040837 075040845 075040852 075040860 075040878 075040886  
075040894 075040902 075040910 075040928 075041058 075041074 075041082 075041090 075041108 075041116  
075041124 075041132 075041140 075041157 075041165 075041173 075041181 075041199 075041207 075041215  
075041223 075041231 075041249 075041256 075041264 075041272 075041280 075041298 075041306 075041314  
075041322 075041330 075041348 075041355 075041363 075041371 075041389 075041397 075041405 075041413  
075041421 075041439 075041447 075041454 075041462 075041470 075041488 075041496 075041587 075041603  
075041611 075041629 075041637 075041645 075041652 075041660 075041678 075041686 075041694 075041702  
075041710 075041728 075041736 075041744 075041751 075041769 075041777 075041785 075041793 075041801  
075041819 075041827 075041835 075041843 075041850 075041868 075041876 075041884 075041892 075041900  
075041918 075041926 075041934 075041942 075041959 075041967 075041975 075041983 075041991

**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).**

075039912 075040365 075041066 075041595



## 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™ ESPET™ UNITEK™ STAINLESS STEEL 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  
**Supersedes Date:** 03/04/11

**Document Group:** 06-1930-4

#### 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>
STAINLESS STEEL	12597-68-1	100

### SECTION 3: HAZARDS IDENTIFICATION

#### 3.1 EMERGENCY OVERVIEW

**Odor, Color, Grade:** Odorless, silver  
**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, silver  
Solid

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>
Boiling Point	<i>Not Applicable</i>
Density	<i>No Data Available</i>
Vapor Density	<i>Not Applicable</i>
Vapor Pressure	<i>Not Applicable</i>
Specific Gravity	<i>Not Applicable</i>
pH	<i>Not Applicable</i>
Melting point	<i>No Data Available</i>
Solubility in Water	Nil
Evaporation rate	<i>Not Applicable</i>
Volatile Organic Compounds	<i>Not Applicable</i>
Kow - Oct/Water partition coef	<i>No Data Available</i>
Percent volatile	<i>Not Applicable</i>
VOC Less H2O & Exempt Solvents	<i>Not Applicable</i>
Viscosity	<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

<u>Substance</u>	<u>Condition</u>
Not applicable.	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. Reclaim if feasible. Product may be recycled. 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):

70-2005-5433-8, 70-2005-5434-6, 70-2005-5435-3, 70-2005-5436-1, 70-2005-5437-9, 70-2005-5438-7, 70-2005-5439-5, 70-2005-5440-3, 70-2005-5441-1, 70-2005-5442-9, 70-2005-5443-7, 70-2005-5444-5, 70-2005-5445-2, 70-2005-5446-0, 70-2005-5447-8, 70-2005-5448-6, 70-2005-5449-4, 70-2005-5450-2, 70-2005-5451-0, 70-2005-5452-8, 70-2005-5453-6, 70-2005-5454-4, 70-2005-5455-1, 70-2005-5456-9, 70-2005-5457-7, 70-2005-5458-5, 70-2005-5459-3, 70-2005-5460-1, 70-2005-5461-9, 70-2005-5462-7, 70-2005-5463-5, 70-2005-5464-3, 70-2005-5465-0, 70-2005-5466-8, 70-2005-5467-6, 70-2005-5468-4, 70-2005-5469-2, 70-2005-5470-0, 70-2005-5471-8, 70-2005-5472-6, 70-2005-5473-4, 70-2005-5474-2, 70-2005-5475-9, 70-2005-5476-7, 70-2005-5477-5, 70-2005-5478-3, 70-2005-5479-1, 70-2005-5480-9, 70-2005-5481-7, 70-2005-5482-5, 70-2005-5483-3, 70-2005-5484-1, 70-2005-5485-8, 70-2005-5486-6, 70-2005-5487-4, 70-2005-5488-2, 70-2005-5492-4, 70-2005-5493-2, 70-2005-5494-0, 70-2005-5495-7, 70-2005-5496-5, 70-2005-5497-3, 70-2005-5498-1, 70-2005-5499-9, 70-2005-5500-4, 70-2005-5501-2, 70-2005-5502-0, 70-2005-5503-8, 70-2005-5504-6, 70-2005-5505-3, 70-2005-5506-1, 70-2005-5507-9, 70-2005-5508-7, 70-2005-5509-5, 70-2005-5510-3, 70-2005-5511-1, 70-2005-5512-9, 70-2005-5513-7, 70-2005-5514-5, 70-2005-5515-2, 70-2005-5516-0, 70-2005-5517-8, 70-2005-5518-6, 70-2005-5519-4, 70-2005-5520-2, 70-2005-5521-0, 70-2005-5522-8, 70-2005-5523-6, 70-2005-5524-4, 70-2005-5525-1, 70-2005-5526-9, 70-2005-5527-7, 70-2005-5528-5, 70-2005-5529-3, 70-2005-5530-1, 70-2005-5531-9, 70-2005-5592-1, 70-2005-5593-9, 70-2005-5594-7, 70-2005-5595-4, 70-2005-5596-2, 70-2005-5597-0, 70-2005-5598-8, 70-2005-5599-6, 70-2005-5600-2, 70-2005-5601-0, 70-2005-5602-8, 70-2005-5603-6, 70-2005-5604-4, 70-2005-5605-1, 70-2005-5606-9, 70-2005-5607-7, 70-2005-5608-5, 70-2005-5609-3, 70-2005-5610-1, 70-2005-5611-9, 70-2005-5612-7, 70-2005-5613-5, 70-2005-5614-3, 70-2005-5615-0, 70-2005-5616-8, 70-2005-5617-6, 70-2005-5618-4, 70-2005-5619-2, 70-2005-5620-0, 70-2005-5621-8, 70-2005-5622-6, 70-2005-5623-4, 70-2005-5624-2, 70-2005-5625-9, 70-2005-5626-7, 70-2005-5627-5, 70-2005-5628-3, 70-2005-5629-1, 70-2005-5630-9, 70-2005-5631-7, 70-2005-5632-5, 70-2005-5633-3, 70-2005-5634-1, 70-2005-5635-8, 70-2005-5636-6, 70-2005-5637-4, 70-2005-5638-2, 70-2005-5639-0, 70-2005-5640-8, 70-2005-5641-6, 70-2005-5642-4, 70-2005-5643-2, 70-2005-5644-0, 70-2005-5645-7, 70-2005-5646-5, 70-2005-5647-3, 70-2005-5648-1, 70-2005-5649-9, 70-2005-5650-7, 70-2005-5651-5, 70-2005-5652-3, 70-2005-5653-1, 70-2005-5654-9, 70-2005-5655-6, 70-2005-5656-4, 70-2005-5657-2, 70-2005-5658-0, 70-2005-5659-8, 70-2005-5660-6, 70-2005-5661-4, 70-2005-5662-2, 70-2005-5663-0, 70-2005-5664-8, 70-2005-5665-5, 70-2005-5666-3, 70-2005-5667-1, 70-2005-5668-9, 70-2005-5669-7, 70-2005-5670-5, 70-2005-5671-3, 70-2005-5836-2, 70-2005-5837-0, 70-2005-5838-8, 70-2005-5840-4, 70-2010-8551-4, 70-2010-8604-1

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)**