



Safety Data Sheet

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This Safety Data Sheet has been prepared in accordance with the New Zealand, Hazardous Substances and New Organisms Act 1996 (HSNO Act) and Regulations, as amended.

SECTION 1: Identification

1.1. Product identifier

3M ESPE Stainless Steel Crowns

Product Identification Numbers

70-2004-1053-1	70-2004-1054-9	70-2004-1055-6	70-2004-1056-4	70-2004-1057-2
70-2004-1058-0	70-2004-1059-8	70-2004-1060-6	70-2004-1061-4	70-2004-1062-2
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70-2004-1068-9	70-2004-1069-7	70-2004-1070-5	70-2004-1071-3	70-2004-1072-1
70-2004-1073-9	70-2004-1074-7	70-2004-1075-4	70-2004-1076-2	70-2004-1077-0
70-2004-1078-8	70-2004-1079-6	70-2004-1080-4	70-2004-1081-2	70-2004-1082-0
70-2004-1083-8	70-2004-1084-6	70-2004-1085-3	70-2004-1086-1	70-2004-1087-9
70-2004-1088-7	70-2004-1089-5	70-2004-1090-3	70-2004-1091-1	70-2004-1092-9
70-2004-1093-7	70-2004-1094-5	70-2004-1095-2	70-2004-1096-0	70-2004-1097-8
70-2004-1098-6	70-2004-1099-4	70-2004-1108-3	70-2004-1578-7	70-2004-1579-5
70-2004-1581-1	70-2004-1582-9	70-2004-1583-7	70-2004-1584-5	70-2004-1585-2
70-2004-1586-0	70-2004-1587-8	70-2004-1588-6	70-2004-1589-4	70-2004-1600-9
70-2004-1601-7	70-2004-5811-8	70-2004-5812-6	70-2004-5813-4	70-2004-5814-2
70-2004-5815-9	70-2004-5816-7	70-2004-5817-5	70-2004-5818-3	70-2004-5819-1
70-2004-5820-9	70-2004-5821-7	70-2004-5822-5	70-2004-5823-3	70-2004-5824-1
70-2004-5825-8	70-2004-5826-6	70-2004-5827-4	70-2004-5828-2	70-2004-5829-0
70-2004-5830-8	70-2004-5831-6	70-2004-5832-4	70-2004-5833-2	70-2004-5834-0
70-2004-5835-7	70-2004-5836-5	70-2004-5837-3	70-2004-5838-1	70-2004-5839-9
70-2004-5840-7	70-2004-5841-5	70-2004-5842-3	70-2004-5843-1	70-2004-5844-9
70-2004-5845-6	70-2004-5846-4	70-2004-5847-2	70-2004-5848-0	70-2004-5849-8
70-2004-5864-7	70-2004-5865-4	70-2004-5866-2	70-2004-5867-0	70-2004-5868-8
70-2004-5869-6	70-2004-5870-4	70-2004-5871-2	70-2004-5872-0	70-2004-5914-0
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3M ESPE Stainless Steel Crowns

70-2004-5935-5	70-2004-5936-3	70-2004-5937-1	70-2004-6992-5	70-2004-6995-8
70-2004-8232-4	70-2010-0933-2	70-2010-0934-0	70-2010-0935-7	70-2010-0936-5
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70-2010-0942-3	70-2010-0943-1	70-2010-0944-9	70-2010-0945-6	70-2010-0946-4
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70-2010-0952-2	70-2010-0953-0	70-2010-0954-8	70-2010-0955-5	70-2010-0956-3
70-2010-0957-1	70-2010-0958-9	70-2010-0959-7	70-2010-0960-5	70-2010-0961-3
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70-2010-2789-6	70-2010-2790-4	70-2010-2791-2	70-2010-2792-0	70-2010-2793-8
70-2010-2794-6	70-2010-2795-3	70-2010-2796-1	70-2010-2797-9	70-2010-2798-7
70-2010-2799-5	70-2010-2800-1	70-2010-2801-9	70-2010-2802-7	70-2010-2803-5
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70-2010-2809-2	70-2010-2810-0	70-2010-2811-8	70-2010-2812-6	70-2010-2813-4
70-2010-2814-2	70-2010-2815-9	70-2010-2816-7	70-2010-2817-5	

1.2. Recommended use and restrictions on use

Recommended use

Dental Product, Dental crowns

Restrictions on use

For use by dental professionals only.

1.3. Supplier's details

Address: 3M New Zealand Ltd, 94 Apollo Drive, Rosedale 0632, Auckland

Telephone: (09) 477 4040

E Mail: innovation@nz.mmm.com

Website: 3m.co.nz

1.4. Emergency telephone number

24 hr Medical Emergency, National Poisons Centre, 0800 764 766 (0800 POISON)

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Not classified as hazardous according to the New Zealand, Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001 as amended.

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.

3M ESPE Stainless Steel Crowns

Not Classified as a Dangerous Good according to NZS 5433:2012 Transport of Dangerous Goods on Land, UN, IMDG & IATA

HSNO classification

Not classified as hazardous.

2.2. Label elements

SECTION 3: Composition/information on ingredients

Ingredient	CAS Nbr	% by Weight
Stainless steel	12597-68-1	100

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation

No need for first aid is anticipated.

Skin contact

Wash with soap and water. If signs/symptoms develop, get medical attention.

Eye contact

Flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms persist, get medical attention.

If swallowed

No need for first aid is anticipated.

4.2. Most important symptoms and effects, both acute and delayed

See Section 11.1 Information on toxicological effects

4.3. Indication of any immediate medical attention and special treatment required

Not applicable

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Material will not burn. Use a fire fighting agent suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

None inherent in this product.

Hazardous Decomposition or By-Products

Substance

None known.

Condition

During combustion.

5.3. Special protective actions for fire-fighters

No special protective actions for fire-fighters are anticipated.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ventilate the area with fresh air.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Sweep up.

SECTION 7: Handling and storage

Refer to Section 15: HSNO Controls for more information.

7.1. Precautions for safe handling

A no-touch technique is recommended. If skin contact occurs, wash skin with soap and water. Acrylates may penetrate commonly-used gloves. If product contacts glove, remove and discard glove, wash hands immediately with soap and water and then re-glove.

7.2. Conditions for safe storage including any incompatibilities

Not applicable.

7.3. Approved handler test certificate

Not required

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

No occupational exposure limit values exist for any of the components listed in Section 3 of this Safety Data Sheet.

8.2. Exposure controls

8.2.1. Engineering controls

No engineering controls required.

8.2.2. Personal protective equipment (PPE)

Eye/face protection

Eye protection not required. Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended:
Safety glasses with side shields.

Refer AS/NZS 1336 - Recommended practices for occupational eye protection and for performance specifications AS/NZS 1337, Parts 1 - 6 - Personal eye-protection.

Skin/hand protection

See Section 7.1 for additional information on skin protection.

Respiratory protection

Respiratory protection is not required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Solid.
Appearance/Odour	Slight characteristic odour, metal
Odour threshold	<i>Not applicable.</i>
pH	<i>Not applicable.</i>
Melting point/Freezing point	<i>No data available.</i>
Boiling point/Initial boiling point/Boiling range	<i>Not applicable.</i>
Flash point	<i>Not applicable.</i>
Evaporation rate	<i>Not applicable.</i>
Flammability (solid, gas)	Not classified
Flammable Limits(LEL)	<i>Not applicable.</i>
Flammable Limits(UEL)	<i>Not applicable.</i>
Vapour pressure	<i>Not applicable.</i>
Vapour density	<i>Not applicable.</i>
Density	<i>Not applicable.</i>
Relative density	<i>Not applicable.</i>
Water solubility	Nil
Solubility- non-water	<i>Not applicable.</i>
Partition coefficient: n-octanol/water	<i>Not applicable.</i>
Autoignition temperature	<i>Not applicable.</i>
Decomposition temperature	<i>Not applicable.</i>
Viscosity	<i>Not applicable.</i>
Molecular weight	<i>No data available.</i>
Volatile organic compounds (VOC)	<i>Not applicable.</i>
Percent volatile	<i>Not applicable.</i>
VOC less H ₂ O & exempt solvents	<i>Not applicable.</i>

SECTION 10: Stability and reactivity

10.1 Reactivity

This material is considered to be non reactive under normal use conditions

10.2 Chemical stability

Stable.

10.3 Possibility of hazardous reactions

Hazardous polymerisation will not occur.

10.4 Conditions to avoid

None known.

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

Substance

None known.

Condition

Refer to Section 5.2 for hazardous decomposition products during combustion.

Under recommended usage conditions, hazardous decomposition products are not expected. Hazardous decomposition products may occur as a result of oxidation, heating, or reaction with another material.

SECTION 11: Toxicological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labelling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

11.1 Information on Toxicological effects

Signs and Symptoms of Exposure

Based on test data and/or information on the components, this material may produce the following health effects:

Inhalation

No known health effects.

Skin contact

Contact with the skin during product use is not expected to result in significant irritation.

Eye contact

Contact with the eyes during product use is not expected to result in significant irritation.

Ingestion

No known health effects.

Toxicological Data

If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

Acute Toxicity

Name	Route	Species	Value
Overall product	Ingestion		No data available; calculated ATE >5,000 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

For the component/components, either no data are currently available or the data are not sufficient for classification.

Serious Eye Damage/Irritation

For the component/components, either no data are currently available or the data are not sufficient for classification.

Skin Sensitisation

For the component/components, either no data are currently available or the data are not sufficient for classification.

Respiratory Sensitisation

For the component/components, either no data are currently available or the data are not sufficient for classification.

Germ Cell Mutagenicity

For the component/components, either no data are currently available or the data are not sufficient for classification.

Carcinogenicity

3M ESPE Stainless Steel Crowns

For the component/components, either no data are currently available or the data are not sufficient for classification.

Reproductive Toxicity

Reproductive and/or Developmental Effects

For the component/components, either no data are currently available or the data are not sufficient for classification.

Target Organ(s)

Specific Target Organ Toxicity - single exposure

For the component/components, either no data are currently available or the data are not sufficient for classification.

Specific Target Organ Toxicity - repeated exposure

For the component/components, either no data are currently available or the data are not sufficient for classification.

Aspiration Hazard

For the component/components, either no data are currently available or the data are not sufficient for classification.

Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.

SECTION 12: Ecological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. Additional information leading to material classification in Section 2 is available upon request. In addition, environmental fate and effects data on ingredients may not be reflected in this section because an ingredient is present below the threshold for labelling, an ingredient is not expected to be available for exposure, or the data is considered not relevant to the material as a whole.

12.1. Toxicity

No product test data available.

Material	CAS Number	Organism	Type	Exposure	Test endpoint	Test result
Stainless steel	12597-68-1		Data not available or insufficient for classification			

12.2. Persistence and degradability

Material	CAS Number	Test type	Duration	Study Type	Test result	Protocol
Stainless steel	12597-68-1	Data not available or insufficient for classification	N/A	N/A	N/A	N/A

12.3 : Bioaccumulative potential

Material	CAS Number	Test type	Duration	Study Type	Test result	Protocol
Stainless steel	12597-68-1	Data not available or insufficient for classification	N/A	N/A	N/A	N/A

12.4. Mobility in soil

Please contact manufacturer for more details

12.5 Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Disposal methods

See Section 11.1 Information on toxicological effects

Dispose of waste product in a permitted industrial waste facility.

Packaging (that may or may not contain any residual substance) may be lawfully disposed of by householders or other consumers through public or commercial waste collection services.

SECTION 14: Transport Information

New Zealand Land Transport Rule: Dangerous Goods - Road/Rail Transport

UN No.: Not applicable.

Proper Shipping Name: Not applicable.

Class/Division: Not applicable.

Sub Risk: Not applicable.

Packing Group: Not applicable.

Hazchem Code: Not applicable.

IERG: Not applicable.

International Air Transport Association (IATA) - Air Transport

UN No.: Not applicable.

Proper Shipping Name: Not applicable.

Class/Division: Not applicable.

Sub Risk: Not applicable.

Packing Group: Not applicable.

International Maritime Dangerous Goods Code (IMDG) - Marine Transport

UN No.: Not applicable.

Proper Shipping Name: Not applicable.

Class/Division: Not applicable.

Sub Risk: Not applicable.

Packing Group: Not applicable.

Marine Pollutant: Not applicable.

SECTION 15: Regulatory information

HSNO Approval number Not applicable

Group standard name Not applicable

HSNO Hazard classification Refer to Section 2: Hazard identification

NZ Inventory of Chemicals (NZIoC) Status

This product is an article as defined by HSNO regulations, and is exempt from NZIoC listing requirements.

HSNO Controls

Approved handler test certificate	Not required
Location and transit Depot certification test	Not required
Hazardous atmosphere zone	Not required
Fire extinguishers	Not required
Emergency response plan	Not required
Secondary containment	Not required
Tracking	Not required
Warning signage	Not required

SECTION 16: Other information

Revision information:

No revision information is available.

China Section 1.2 Restrictions on use information was added.

Section 1: Product identification numbers information was modified.

Section 1: Product use information information was deleted.

US Section 01 Product Use - Recommended Use information was added.

Section 2: Classification statements information was modified.

Section 2: NZ Classification statements (Transportation) information was modified.

Section 5: 5.3. Advice for fire-fighters information was deleted.

Section 5: Fire - Advice for fire fighters information information was modified.

Section 5: Fire - Extinguishing media information information was modified.

Section 6: Accidental release clean-up information information was modified.

Section 6: Accidental release personal information information was modified.

Section 7: Precautions safe handling information information was modified.

Section 7: Refer to Section 15 - HSNO control statement information was modified.

Section 8: Appropriate Engineering controls information information was added.

Section 8: Eye protection standard information information was added.

Section 8: Eye/face protection information information was added.

Section 8: Personal Protection - Eye information information was modified.

Section 8: Personal Protection - Skin/hand information information was modified.

Section 09: Boiling point/Initial boiling point/Boiling range information was added.

Section 09: Decomposition Temperature information was added.

Section 09: Melting point/Freezing point information was added.

Section 9: Boiling point information information was deleted.

Section 9: Explosive properties information information was deleted.

Section 9: Melting point information information was deleted.

Section 9: Odour Threshold information was added.

Section 9: Oxidising properties information information was deleted.

Section 9: Property description for optional properties information was modified.

Section 9: Solubility (non-water) information was added.

Section 10.1: Reactivity information information was modified.

Section 10: Hazardous decomposition products during combustion text information was added.

Section 11: Acute Toxicity table information was modified.

Section 11: Aspiration Hazard Table information was deleted.

Section 11: Aspiration Hazard text information was added.

Section 11: Carcinogenicity Table information was deleted.

Section 11: Carcinogenicity text information was added.

Section 11: Disclosed components not in tables text information was added.

Section 11: Germ Cell Mutagenicity Table information was deleted.

Section 11: Germ Cell Mutagenicity text information was added.

Section 11: Health Effects - Additional Information information was deleted.

Section 11: Health Effects - Eye information information was modified.

Section 11: Health Effects - Ingestion information information was modified.
Section 11: Health Effects - Inhalation information information was modified.
Section 11: Health Effects - Skin information information was modified.
Section 11: Reproductive Toxicity Table information was deleted.
Section 11: Respiratory Sensitization Table information was deleted.
Section 11: Respiratory Sensitization text information was added.
Section 11: Serious Eye Damage/Irritation Table information was deleted.
Section 11: Serious Eye Damage/Irritation text information was added.
Section 11: Skin Corrosion/Irritation Table information was deleted.
Section 11: Skin Corrosion/Irritation text information was added.
Section 11: Skin Sensitization Table information was deleted.
Section 11: Skin Sensitization text information was added.
Section 11: Specific Target Organ Toxicity - repeated exposure text information was added.
Section 11: Specific Target Organ Toxicity - single exposure text information was added.
Section 11: Target Organs - Repeated Table information was deleted.
Section 11: Target Organs - Single Table information was deleted.
Section 12: Component ecotoxicity information information was added.
Prints No Data if Biocumulative potential information is not present information was deleted.
Prints No Data if Component ecotoxicity information is not present information was deleted.
Prints No Data if Persistence and Degradability information is not present information was deleted.
Section 12: Persistence and Degradability information information was added.
Section 12: Biocumulative potential information information was added.
Section 13: 13.1. Waste disposal note information was modified.
Section 13: Standard Phrase Category Waste GHS information was modified.
Section 14: Class/Div Group 2 information was added.
Section 14: IERG Group 1 information was added.
Section 14: IERG Group 2 information was added.
Section 14: Marine Pollutant Technical Name information was added.
Section 14: Packing Group Group 1 information was added.
Section 14: Packing Group Group 2 information was added.
Section 14: Special Instructions ADG Group 1 information was added.
Section 14: Special Instructions Group 2 information was added.
Section 14: Special Instructions IATA Group 1 information was added.
Section 14: Special Instructions IATA Group 2 information was added.
Section 14: Special Instructions IMDG Group 1 information was added.
Section 14: Special Instructions IMDG Group 2 information was added.
Section 14: Transport Class/Div Group 1 information was added.
Section 14: Transportation information information was deleted.
Section 14: Transportation Sub Risk Group 1 information was added.
Section 14: Transportation Sub Risk Group 2 information was added.
Section 14: UN Number IATA Group 1 information was added.
Section 14: UN Number IATA Group 2 information was added.
Section 14: UN Number information was added.
Section 14: UN Proper Shipping Name Group 1 information was added.
Section 14: UN Proper Shipping Name Group 2 information was added.
Section 14: UN Proper Shipping Name IATA Group 1 information was added.
Section 14: UN Proper Shipping Name IATA Group 2 information was added.
Section 16: NZ reason for reissue information was added.

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