



## 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™ Lava™ Ultimate CAD / CAM Restorative

##### Product Identification Numbers

70-2010-7998-8	70-2010-7999-6	70-2010-8500-1	70-2010-8501-9	70-2010-8502-7
70-2010-8503-5	70-2010-8504-3	70-2010-8505-0	70-2010-8506-8	70-2010-8507-6
70-2010-8508-4	70-2010-8509-2	70-2010-8524-1	70-2010-8525-8	70-2010-8526-6
70-2010-8527-4	70-2010-8528-2	70-2010-8529-0	70-2010-8530-8	70-2010-8533-2
70-2010-8534-0	70-2010-8565-4	70-2010-8566-2	70-2010-8567-0	70-2010-8568-8
70-2010-8569-6	70-2010-8570-4	70-2010-8571-2	70-2010-8572-0	70-2010-8573-8
70-2010-8574-6	70-2010-8575-3	70-2010-8576-1	70-2010-8578-7	70-2010-8579-5
70-2010-8580-3	70-2010-8581-1	70-2010-8582-9	70-2010-8583-7	70-2010-8584-5
70-2010-8587-8	70-2010-8588-6	70-2010-8960-7	70-2010-8961-5	70-2010-8962-3
70-2010-8963-1	70-2010-8964-9	70-2010-8965-6	70-2010-8966-4	70-2010-8967-2
70-2010-8968-0	70-2010-8969-8	70-2010-8970-6	70-2010-8971-4	70-2010-9442-5
70-2010-9443-3	70-2010-9444-1	70-2010-9445-8	70-2010-9446-6	70-2010-9447-4
70-2010-9448-2	70-2010-9449-0	70-2010-9450-8	70-2010-9451-6	70-2010-9452-4
70-2010-9453-2	70-2010-9773-3	70-2010-9774-1	70-2010-9775-8	70-2010-9776-6
70-2010-9777-4	70-2010-9778-2	70-2010-9782-4	70-2010-9783-2	70-2010-9784-0
70-2010-9785-7	70-2010-9786-5	70-2010-9793-1	70-2010-9794-9	70-2010-9795-6
70-2010-9796-4				

#### 1.2. Recommended use and restrictions on use

##### Recommended use

Dental Product, Mill block for dental restorations

##### 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.

Not classified as a Dangerous Good according to; New Zealand, Land Transport Rule: Dangerous Goods 2005 (Rule 45001/1) as amended, NZS 5433:2012 Transport of Dangerous Goods on Land, UN Model Regulations on the Transport of Dangerous Goods, International Maritime Dangerous Goods Code and IATA Dangerous Goods Regulations.

**HSNO classification**

Not classified as hazardous.

**2.2. Label elements****SECTION 3: Composition/information on ingredients**

<b>Ingredient</b>	<b>CAS Nbr</b>	<b>% by Weight</b>
CURED DENTAL RESTORATIVE	None	100

**SECTION 4: First aid measures****4.1. Description of first aid measures****Inhalation**

Remove person to fresh air. If you feel unwell, get medical attention.

**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**

In case of fire: Use a fire fighting agent suitable for ordinary combustible material such as water or foam to extinguish.

## 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

Not applicable.

## 6.2. Environmental precautions

Not applicable.

## 6.3. Methods and material for containment and cleaning up

Not applicable.

# SECTION 7: Handling and storage

Refer to Section 15: HSNO Controls for more information.

## 7.1. Precautions for safe handling

Avoid eye contact. Avoid prolonged or repeated skin contact. Avoid breathing of dust created by cutting, sanding, grinding or machining.

## 7.2. Conditions for safe storage including any incompatibilities

No special storage requirements.

## 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

Use in a well-ventilated area.

### 8.2.2. Personal protective equipment (PPE)

#### Eye/face protection

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**

None required.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Physical state	Solid.
Specific Physical Form:	Solid Block or Slab
Appearance/Odour	Characteristic odour, Tooth-coloured various shades.
Odour threshold	<i>No data available.</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	2.1 g/cm <sup>3</sup>
Relative density	2.1 [Ref Std: WATER=1]
Water solubility	Negligible
Solubility- non-water	<i>No data available.</i>
Partition coefficient: n-octanol/water	<i>Not applicable.</i>
Autoignition temperature	<i>Not applicable.</i>
Decomposition temperature	<i>No data available.</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 <sub>2</sub> 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****Condition**

None known.

Refer to Section 5.2 for hazardous decomposition products during combustion.

**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**

Dust from cutting, grinding, sanding or machining may cause irritation of the respiratory system: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, nose and throat pain.

**Skin contact**

Mechanical skin irritation: Signs/symptoms may include abrasion, redness, pain, and itching.

**Eye contact**

Dust created by cutting, grinding, sanding, or machining may cause eye irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

**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**

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.

No component test data available.

### **12.2. Persistence and degradability**

No test data available.

### **12.3 : Bioaccumulative potential**

No test data available.

### **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. As a disposal alternative, incinerate in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. Empty and clean product containers may be disposed as non-hazardous waste. Consult your specific regulations and service providers to determine available options and requirements. 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:

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

All applicable chemical ingredients in this material are in compliance with 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:**

Section 1: Product identification numbers information was modified.  
 Section 1: Product name information was modified.  
 Section 6: Accidental release clean-up information information was modified.  
 Section 7: Precautions safe handling information information was modified.  
 Section 8: Personal Protection - Respiratory Information information was deleted.  
 Section 8: Personal Protection - Skin/hand information information was modified.  
 Section 8: Respiratory protection information information was added.  
 Section 9: Property description for optional properties information was modified.  
 Section 11: Aspiration Hazard text information was added.  
 Section 11: Carcinogenicity text information was added.  
 Section 11: Germ Cell Mutagenicity text information was added.  
 Section 11: Health Effects - Ingestion information information was modified.  
 Section 11: Respiratory Sensitization text information was added.  
 Section 11: Serious Eye Damage/Irritation text information was added.  
 Section 11: Skin Corrosion/Irritation text information was added.  
 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 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.

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