



## Safety Data Sheet

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This Safety Data Sheet has been prepared in accordance with the New Zealand, Hazardous Substances (Safety Data Sheets) Notice 2017.

### SECTION 1: Identification

#### 1.1. Product identifier

3M™ Adper™ Scotchbond™ Multipurpose Primer (3008/7542)

#### Product Identification Numbers

70-2010-1610-5

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

##### Recommended use

Dental Product, Adhesive

##### 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

Classified as hazardous in accordance with the relevant criteria of the HSNO Act 1996, the Hazardous Substances (Classification) Notice 2017 and Hazardous Substances (Minimum Degrees of Hazard) Notice 2017.

Refer to Section 14 of this Safety Data Sheet for product Dangerous Goods Classification.

#### 2.1. Classification of the substance or mixture

| GHS                                       | HSNO                       |
|---|----------------------------|
| Serious Eye Damage/Irritation: Category 2 | 6.4A Irritating to the eye |
| Skin Sensitiser: Category 1               | 6.5B Skin sensitiser       |

## 2.2. Label elements

### SIGNAL WORD

WARNING!

### Symbols:

Exclamation mark |

### Pictograms



### HAZARD STATEMENTS:

H320 Causes eye irritation.  
H317 May cause an allergic skin reaction.

### PRECAUTIONARY STATEMENTS

#### Prevention:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P280E Wear protective gloves.  
P264B Wash exposed skin thoroughly after handling.  
P272A Contaminated work clothing must not be allowed out of the workplace.

#### Response:

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 advice/attention.  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.  
P362 + P364 Take off contaminated clothing and wash it before reuse.  
P321 Specific treatment (see Notes to Physician on this label).

#### Disposal:

P501 Dispose of contents/container in accordance with applicable local/regional/national/international regulations.

## SECTION 3: Composition/information on ingredients

| Ingredient                              | CAS Nbr    | % by Weight |
|---|------------|-------------|
| Water                                   | 7732-18-5  | 40 - 50     |
| 2-Hydroxyethyl Methacrylate (HEMA)      | 868-77-9   | 35 - 45     |
| Copolymer of Acrylic and Itaconic Acids | 25948-33-8 | 10 - 20     |

## 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

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Immediately wash with soap and water. Remove contaminated clothing and wash before reuse. 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.

A product risk assessment is recommended to determine if eye wash facilities may be required when using this product in the workplace.

### If swallowed

Rinse mouth. Do not induce vomiting. Get immediate medical attention.

### 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

| <u>Substance</u> | <u>Condition</u>   |
|------------------|--------------------|
| Carbon monoxide. | During combustion. |
| Carbon dioxide.  | During combustion. |

### 5.3. Special protective actions for fire-fighters

No special protective actions for fire-fighters are anticipated.

### 5.4. Hazchem code: Not applicable.

## SECTION 6: Accidental release measures

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

Evacuate area. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

### 6.2. Environmental precautions

Avoid release to the environment.

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

Contain spill. Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Clean up residue with detergent and water. Seal the container. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

## SECTION 7: Handling and storage

Refer to Section 15 - 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. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wash contaminated clothing before reuse.

### 7.2. Conditions for safe storage including any incompatibilities

Store away from strong bases.

### 7.3. Certified handler

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

|  |                           |
|--|---------------------------|
| <b>Physical state</b>                                    | Liquid.                   |
| <b>Specific Physical Form:</b>                           | Liquid.                   |
| <b>Colour</b>  | Transparent Yellow        |
| <b>Odour</b>   | Slight Acrylate           |
| <b>Odour threshold</b>                                   | <i>No data available.</i> |
| <b>pH</b>  | 2.9 - 4                   |
| <b>Melting point/Freezing point</b>                      | <i>Not applicable.</i>    |
| <b>Boiling point/Initial boiling point/Boiling range</b> | >= 100 °C                 |

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|  |                                      |
|--|--------------------------------------|
| <b>Flash point</b>                                   | > 101.1 °C [Test Method: Closed Cup] |
| <b>Evaporation rate</b>                              | No data available.                   |
| <b>Flammability (solid, gas)</b>                     | Not applicable.                      |
| <b>Flammable Limits(LEL)</b>                         | Not applicable.                      |
| <b>Flammable Limits(UEL)</b>                         | Not applicable.                      |
| <b>Vapour pressure</b>                               | <=110,316.1 Pa [Ref Std: AIR=1]      |
| <b>Vapor Density and/or Relative Vapor Density</b>   | No data available.                   |
| <b>Density</b>                                       | 1.08 g/ml                            |
| <b>Relative density</b>                              | 1.08 [Ref Std: WATER=1]              |
| <b>Water solubility</b>                              | Appreciable                          |
| <b>Solubility- non-water</b>                         | No data available.                   |
| <b>Partition coefficient: n-octanol/water</b>        | Not applicable.                      |
| <b>Autoignition temperature</b>                      | Not applicable.                      |
| <b>Decomposition temperature</b>                     | No data available.                   |
| <b>Viscosity/Kinematic Viscosity</b>                 | 9.9 mm <sup>2</sup> /sec             |
| <b>Volatile organic compounds (VOC)</b>              | No data available.                   |
| <b>Percent volatile</b>                              | Not applicable.                      |
| <b>VOC less H<sub>2</sub>O &amp; exempt solvents</b> | No data available.                   |
| <b>Molecular weight</b>                              | No data available.                   |

**Nanoparticles**

This material does not contain nanoparticles.

**SECTION 10: Stability and reactivity****10.1 Reactivity**

This material may be reactive with certain agents under certain conditions - see the remaining headings in this section

**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**

Strong bases.

**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

Respiratory tract irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

#### Skin contact

Contact with the skin during product use is not expected to result in significant irritation. Allergic skin reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

#### Eye contact

Moderate eye irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

#### Ingestion

Gastrointestinal irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhoea.

#### 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 |
| 2-Hydroxyethyl Methacrylate (HEMA)      | Dermal    | Rabbit                 | LD50 > 5,000 mg/kg                             |
| 2-Hydroxyethyl Methacrylate (HEMA)      | Ingestion | Rat                    | LD50 5,564 mg/kg                               |
| Copolymer of Acrylic and Itaconic Acids | Ingestion | Rat                    | LD50 > 5,000 mg/kg                             |
| Copolymer of Acrylic and Itaconic Acids | Dermal    | similar health hazards | LD50 estimated to be > 5,000 mg/kg             |

ATE = acute toxicity estimate

#### Skin Corrosion/Irritation

| Name                               | Species | Value              |
|------------------------------------|---------|--------------------|
| 2-Hydroxyethyl Methacrylate (HEMA) | Rabbit  | Minimal irritation |

#### Serious Eye Damage/Irritation

| Name                               | Species | Value             |
|------------------------------------|---------|-------------------|
| 2-Hydroxyethyl Methacrylate (HEMA) | Rabbit  | Moderate irritant |

#### Sensitisation:

##### Skin Sensitisation

| Name                               | Species          | Value       |
|------------------------------------|------------------|-------------|
| 2-Hydroxyethyl Methacrylate (HEMA) | Human and animal | Sensitising |

##### Respiratory Sensitisation

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

**3M™ Adper™ Scotchbond™ Multipurpose Primer (3008/7542)****Germ Cell Mutagenicity**

| Name                               | Route    | Value  |
|------------------------------------|----------|--|
| 2-Hydroxyethyl Methacrylate (HEMA) | In vivo  | Not mutagenic  |
| 2-Hydroxyethyl Methacrylate (HEMA) | In Vitro | Some positive data exist, but 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**

| Name                               | Route     | Value                                  | Species | Test result                 | Exposure Duration                   |
|------------------------------------|-----------|--|---------|-----------------------------|-------------------------------------|
| 2-Hydroxyethyl Methacrylate (HEMA) | Ingestion | Not classified for female reproduction | Rat     | NOAEL<br>1,000<br>mg/kg/day | pre mating &<br>during<br>gestation |
| 2-Hydroxyethyl Methacrylate (HEMA) | Ingestion | Not classified for male reproduction   | Rat     | NOAEL<br>1,000<br>mg/kg/day | 49 days                             |
| 2-Hydroxyethyl Methacrylate (HEMA) | Ingestion | Not classified for development         | Rat     | NOAEL<br>1,000<br>mg/kg/day | pre mating &<br>during<br>gestation |

**Target Organ(s)****Specific Target Organ Toxicity - single exposure**

| Name                                    | Route     | Target Organ(s) | Value          | Species | Test result          | Exposure Duration |
|---|-----------|-----------------|----------------|---------|----------------------|-------------------|
| Copolymer of Acrylic and Itaconic Acids | Ingestion | nervous system  | Not classified | Rat     | NOAEL<br>5,000 mg/kg |                   |

**Specific Target Organ Toxicity - repeated exposure**

| Name                                    | Route     | Target Organ(s)  | Value          | Species | Test result                 | Exposure Duration |
|---|-----------|--|----------------|---------|-----------------------------|-------------------|
| Copolymer of Acrylic and Itaconic Acids | Ingestion | endocrine system   hematopoietic system   liver  | Not classified | Rat     | NOAEL 200<br>mg/kg/day      | 28 days           |
| Copolymer of Acrylic and Itaconic Acids | Ingestion | heart   bone, teeth, nails, and/or hair   immune system   muscles   nervous system   eyes   kidney and/or bladder   respiratory system   vascular system | Not classified | Rat     | NOAEL<br>2,000<br>mg/kg/day | 28 days           |

**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 |
|---|------------|----------------|---|----------|---------------|-------------|
| 2-Hydroxyethyl Methacrylate (HEMA)      | 868-77-9   | Fathead minnow | Experimental  | 96 hours | LC50          | 227 mg/l    |
| 2-Hydroxyethyl Methacrylate (HEMA)      | 868-77-9   | Green algae    | Experimental  | 72 hours | EC50          | 710 mg/l    |
| 2-Hydroxyethyl Methacrylate (HEMA)      | 868-77-9   | Water flea     | Experimental  | 48 hours | EC50          | 380 mg/l    |
| 2-Hydroxyethyl Methacrylate (HEMA)      | 868-77-9   | Green Algae    | Experimental  | 72 hours | NOEC          | 160 mg/l    |
| 2-Hydroxyethyl Methacrylate (HEMA)      | 868-77-9   | Water flea     | Experimental  | 21 days  | NOEC          | 24.1 mg/l   |
| Copolymer of Acrylic and Itaconic Acids | 25948-33-8 |                | Data not available or insufficient for classification |          |               |             |

### 12.2. Persistence and degradability

| Material                                | CAS Number | Test type                         | Duration | Study Type | Test result    | Protocol                  |
|---|------------|-----------------------------------|----------|------------|----------------|---------------------------|
| 2-Hydroxyethyl Methacrylate (HEMA)      | 868-77-9   | Experimental Biodegradation       | 14 days  | BOD        | 95 % BOD/ThBOD | OECD 301C - MITI test (I) |
| Copolymer of Acrylic and Itaconic Acids | 25948-33-8 | Data not available - insufficient |          |            | N/A            |                           |

### 12.3 : Bioaccumulative potential

| Material                                | CAS Number | Test type   | Duration | Study Type | Test result | Protocol      |
|---|------------|---|----------|------------|-------------|---------------|
| 2-Hydroxyethyl Methacrylate (HEMA)      | 868-77-9   | Experimental Bioconcentration                         |          | Log Kow    | 0.42        | Other methods |
| Copolymer of Acrylic and Itaconic Acids | 25948-33-8 | 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

In accordance with the Hazardous Substances (Disposal) Notice 2017 and the relevant criteria of the HSNO Act 1996.

Incinerate in a permitted waste incineration 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 HSR002558

Group standard name Dental Products (Subsidiary Hazard) Group Standard 2017

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.

#### Controls in accordance with the Health and Safety at Work (Hazardous Substances) Regulations 2017

**3M™ Adper™ Scotchbond™ Multipurpose Primer (3008/7542)**

|                                 |   |
|---------------------------------|---|
| Certified handler               | Not required  |
| Location Compliance Certificate | Not required  |
| Hazardous atmosphere zone       | Not required  |
| Fire extinguishers              | Not required  |
| Emergency response plan         | 1,000 L or 1,000 kg (for a HSNO 6.1D, 6.5A, 6.5B, 9.1B or 9.1C substance);<br>or 10,000 L or 10,000 kg (for a HSNO 6.6A, 6.8A, 6.9A, 8.3A, 9.1D<br>substance) |
| Secondary containment           | 1,000 L or 1,000 kg (for a HSNO 6.1D, 6.5A, 6.5B, 9.1B or 9.1C substance);<br>or 10,000 L or 10,000 kg (for a HSNO 6.6A, 6.8A, 6.9A, 8.3A, 9.1D<br>substance) |
| Tracking                        | Not required  |
| Warning signage                 | Not required  |

**SECTION 16: Other information****Revision information:**

Complete document review.

|                        |            |                         |            |
|------------------------|------------|-------------------------|------------|
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**Key to abbreviations and acronyms****GHS** means the Globally Harmonised System of Classification and Labelling of Chemicals, 5th revised edition 2013**HSNO** means Hazardous Substances and New Organisms Act 1996

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