

# **Safety Data Sheet**

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**Document group:** 16-2775-1 **Version number:** 4.01

**Issue Date:** 12/05/2016 **Supersedes date:** 28/04/2015

This Safety Data Sheet has been prepared in accordance with the Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice (Safe Work Australia, December 2011)

### **IDENTIFICATION:**

### 1.1. Product identifier

3MTM ESPETM KETAC-MOLAR QUICK APLICAP

**Product Identification Numbers** 

70-2011-0097-4 70-2011-0098-2 70-2011-0099-0 70-2011-4263-8 70-2011-4265-3

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

#### Recommended use

Dental Product, Dental restoratives

For use only by dental professionals.

### Restrictions on use

For use by dental professionals only.

### 1.3. Supplier's details

Address: 3M Australia - Building A, 1 Rivett Road, North Ryde NSW 2113

**Telephone:** 136 136

E Mail: productinfo.au@mmm.com

Website: www.3m.com.au

### 1.4. Emergency telephone number

Company Emergency Hotline: EMERGENCY: 1800 097 146 (Australia only)

This product is a kit or a multipart product which consists of multiple, independently packaged components. A Safety Data Sheet for each of these components is included. Please do not separate the component Safety Data Sheets from this cover page. The document numbers of the SDSs for components of this product are:

16-2774-4, 16-2773-6

One or more components of this KIT is classified as a hazardous chemical according to the Model Work Health and Safety Regulations, 2011.

### TRANSPORT INFORMATION

For transportation and storage this KIT and its components are NOT classified as Dangerous Goods

DISCLAIMER: The information on this Safety Data Sheet is based on our experience and is correct to the best of our knowledge at the date of publication, but we do not accept any liability for any loss, damage or injury resulting from its use (except as required by law). The information may not be valid for any use not referred to in this Safety Data Sheet or use of the product in combination with other materials. For these reasons, it is important that customers carry out their own test to satisfy themselves as to the suitability of the product for their own intended applications.

Greenguard ® is a United States based program. The 'Low VOC' reference related to United States Federal and State regulations exemptions for some solvents.

3M Australia SDSs are available at www.3m.com.au



# **Safety Data Sheet**

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This Safety Data Sheet has been prepared in accordance with the Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice (Safe Work Australia, December 2011)

### **SECTION 1: Identification**

#### 1.1. Product identifier

3M™ ESPE™ KETAC-MOLAR QUICK APLICAP POWDER

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

#### Recommended use

Dental Product, Restorative

For use only by dental professionals.

### Restrictions on use

For use by dental professionals only.

### 1.3. Supplier's details

**Address:** 3M Australia - Building A, 1 Rivett Road, North Ryde NSW 2113

Telephone: 136 136

E Mail: productinfo.au@mmm.com

Website: www.3m.com.au

### 1.4. Emergency telephone number

EMERGENCY: 1800 097 146 (Australia only)

### **SECTION 2: Hazard identification**

This product is NOT classified as a hazardous chemical according to the Model Work Health and Safety Regulations, 2011.

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

### 2.1. Classification of the substance or mixture

Not applicable.

### 2.2. Label elements

### Signal word

Not applicable.

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### **Symbols**

Not applicable.

#### **Pictograms**

Not applicable.

### 2.3. Other assigned/identified product hazards

None known.

### 2.4. Other hazards which do not result in classification

May be harmful if swallowed.

# **SECTION 3: Composition/information on ingredients**

This material is a mixture.

Ingredient	CAS Nbr	% by Weight
Glass powder	65997-17-3	80 - 90
Copolymer of acrylic and maleic acids	29132-58-9	1 - 6
Dichlorodimethylsilane, reaction products	68611-44-9	< 2
with silica		

## **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

Rinse mouth. If you feel unwell, get 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**

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**Substance** 

Carbon monoxide. Carbon dioxide. Irritant vapours or gases.

### Condition

During combustion. During combustion. 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. 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

Collect as much of the spilled material as possible. Use wet sweeping compound or water to avoid dusting. Sweep up. Place in a closed container approved for transportation by appropriate authorities. Clean up residue. Seal the container. Dispose of collected material as soon as possible.

# **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

Avoid prolonged or repeated skin contact. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

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

No special storage requirements.

# **SECTION 8: Exposure controls/personal protection**

### 8.1 Control parameters

### Occupational exposure limits

If a component is disclosed in section 3 but does not appear in the table below, an occupational exposure limit is not available for the component.

Ingredient	CAS Nbr	Agency	Limit type	Additional comments
Glass powder	65997-17-3	Manufacturer	TWA(as dust):10 mg/m3	
		determined		
Glass filaments	65997-17-3	Australia OELs	TWA(8 hours):0.5	
			fibers/ml;TWA(as fiber)(8	
			hours):0.5 fibers/ml	

ACGIH: American Conference of Governmental Industrial Hygienists

AIHA: American Industrial Hygiene Association

Australia OELs: Australia. Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment

CMRG: Chemical Manufacturer's Recommended Guidelines

TWA: Time-Weighted-Average STEL: Short Term Exposure Limit

CEIL: Ceiling Sen: Sensitiser

Sk: Absorption through the skin may be a significant source of exposure.

### 8.2. Exposure controls

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### 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.

Select and use eye protection in accordance with AS/NZS 1336. Eye protection should comply with the performance specifications of AS/NZS 1337.

### Skin/hand protection

No protective gloves required. 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. Powder **Specific Physical Form:** 

Different coloured, odourless, powders. Appearance/Odour

**Odour threshold** No data available. No data available. Melting point/Freezing point No data available. Boiling point/Initial boiling point/Boiling range Not applicable. Flash point No flash point Not applicable. **Evaporation rate** Not classified Flammability (solid, gas) Not applicable. Flammable Limits(LEL) Flammable Limits(UEL) Not applicable. Vapour pressure Not applicable. Vapour density Not applicable.

>=1.0 [*Ref Std*:WATER=1] Relative density

Water solubility

Solubility- non-water No data available. Partition coefficient: n-octanol/water No data available. No data available. **Autoignition temperature Decomposition temperature** No data available. Not applicable. Viscosity Volatile organic compounds (VOC) Not applicable. Not applicable. Percent volatile **VOC less H2O & exempt solvents** Not applicable.

# **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. Conditions to avoid

None known.

### 10.4. Possibility of hazardous reactions

Hazardous polymerisation will not occur.

### 10.5 Incompatible materials

None known.

### 10.6 Hazardous decomposition products

**Substance** None known. **Condition** 

# **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

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

#### Eve contact

Mechanical eye irritation: Signs/symptoms may include pain, redness, tearing and corneal abrasion.

### **Ingestion**

May be harmful if swallowed.

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

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	Dermal		No data available; calculated ATE >5,000
			mg/kg
Overall product	Ingestion		No data available; calculated ATE2,000 -

			5,000 mg/kg
Glass powder	Dermal		LD50 estimated to be > 5,000 mg/kg
Glass powder	Ingestion		LD50 estimated to be 2,000 - 5,000 mg/kg
Copolymer of acrylic and maleic acids	Dermal	Professional judgement	LD50 estimated to be > 5,000 mg/kg
Copolymer of acrylic and maleic acids	Ingestion	Rat	LD50 > 5,000 mg/kg
Dichlorodimethylsilane, reaction products with silica	Dermal	Rabbit	LD50 > 5,000 mg/kg
Dichlorodimethylsilane, reaction products with silica	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 0.691 mg/l
Dichlorodimethylsilane, reaction products with silica	Ingestion	Rat	LD50 > 5,110 mg/kg

ATE = acute toxicity estimate

### Skin Corrosion/Irritation

Name	Species	Value
Glass powder	Professional judgement	No significant irritation
Dichlorodimethylsilane, reaction products with silica	Rabbit	No significant irritation

Serious Eye Damage/Irritation

Name	Species	Value
Glass powder	Professional judgement	No significant irritation
Dichlorodimethylsilane, reaction products with	Rabbit	No significant irritation
silica		

### **Skin Sensitisation**

Skiii Schsitisation						
Name	Species	Value				
Dichlorodimethylsilane, reaction products with silica	Human and animal	Not sensitizing				

### **Respiratory Sensitisation**

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

**Germ Cell Mutagenicity** 

Name	Route	Value
Glass powder	In Vitro	Some positive data exist, but the data are not sufficient for classification
Dichlorodimethylsilane, reaction products with silica	In Vitro	Not mutagenic

Carcinogenicity

Name	Route	Species	Value
Glass powder	Inhalation	Multiple animal	Some positive data exist, but the data
		species	are not sufficient for classification
Dichlorodimethylsilane, reaction products with silica	Not specified.	Mouse	Some positive data exist, but the data are not sufficient for classification

### **Reproductive Toxicity**

Reproductive and/or Developmental Effects

reproductive and/or	teproductive unavor Developmentur Errects							
Name	Route	Value	Species	Test result	<b>Exposure Duration</b>			
Dichlorodimethylsila	Ingestion	Not toxic to female	Rat	NOAEL 509	1 generation			
ne, reaction products		reproduction		mg/kg/day				

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with silica					
Dichlorodimethylsila	Ingestion	Not toxic to male	Rat	NOAEL 497	1 generation
ne, reaction products		reproduction		mg/kg/day	
with silica					
Dichlorodimethylsila	Ingestion	Not toxic to	Rat	NOAEL	during organogenesis
ne, reaction products		development		1,350	
with silica				mg/kg/day	

### 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

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Glass powder	Inhalation	respiratory system	Some positive data exist, but the data are not sufficient for classification	Human	NOAEL not available	occupational exposure
Dichlorodime thylsilane, reaction products with silica	Inhalation	respiratory system   silicosis	All data are negative	Human	NOAEL Not available	occupational exposure

### **Aspiration Hazard**

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

#### **Exposure Levels**

Refer Section 8.1 Control Parameters of this Safety Data Sheet.

#### **Interactive Effects**

Not determined.

# **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

#### Acute aquatic hazard:

Not acutely toxic to aquatic life by GHS criteria.

### Chronic aquatic hazard:

Not chronically toxic to aquatic life by GHS criteria.

No product test data available.

Material	CAS Number	Organism	Type	Exposure	Test endpoint	Test result
Copolymer of	29132-58-9	Water flea	Experimental	48 hours	EC50	>100 mg/l
acrylic and						

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maleic acids						
Copolymer of acrylic and maleic acids	29132-58-9	Zebra Fish	Experimental	96 hours	LC50	>100 mg/l
Copolymer of acrylic and maleic acids	29132-58-9	Zebra Fish	Experimental	14 days	NOEC	40 mg/l
Copolymer of acrylic and maleic acids	29132-58-9	Green algae	Experimental	96 hours	Effect Concentration 10%	32 mg/l
Copolymer of acrylic and maleic acids	29132-58-9	Water flea	Experimental	21 days	NOEC	350 mg/l
Dichlorodimet hylsilane, reaction products with silica	68611-44-9	Zebra Fish	Experimental	96 hours	LC50	>100 mg/l
Dichlorodimet hylsilane, reaction products with silica	68611-44-9	Water flea	Experimental	24 hours	EC50	>100 mg/l
Dichlorodimet hylsilane, reaction products with silica	68611-44-9	Green algae	Experimental	72 hours	EC50	>100 mg/l
Dichlorodimet hylsilane, reaction products with silica	68611-44-9	Green algae	Experimental	72 hours	NOEC	>100 mg/l
Glass powder	65997-17-3		Data not available or insufficient for classification			

# 12.2. Persistence and degradability

Material	CAS Number	Test type	Duration	Study Type	Test result	Protocol
Copolymer of	29132-58-9	Experimental	28 days	BOD	< 14 % weight	Other methods
acrylic and		Biodegradation				
maleic acids						
Dichlorodimet hylsilane, reaction products with silica	68611-44-9	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Glass powder	65997-17-3	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
Copolymer of acrylic and maleic acids	29132-58-9	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Dichlorodimet hylsilane, reaction products with silica	68611-44-9	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Glass powder	65997-17-3	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

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

Incinerate in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes.

# **SECTION 14: Transport Information**

Australian Dangerous Goods Code (ADG) - 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**

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

### **Australian Inventory Status:**

This product is regulated by the Therapeutics Goods Administration and is exempt from compliance with the Industrial Chemicals (Notification and Assessment) Act 1989 as amended.

**Poison Schedule:** This product is intended for Industrial or Professional Use only and therefore is not packaged and labelled in accordance with the requirements of the Standard for the Uniform Scheduling of Medicines and Poisons.

### **SECTION 16: Other information**

#### **Revision information:**

Complete document review.

DISCLAIMER: The information on this Safety Data Sheet is based on our experience and is correct to the best of our knowledge at the date of publication, but we do not accept any liability for any loss, damage or injury resulting from its use (except as required by law). The information may not be valid for any use not referred to in this Safety Data Sheet or use of the product in combination with other materials. For these reasons, it is important that customers carry out their own test to satisfy themselves as to the suitability of the product for their own intended applications.

Greenguard ® is a United States based program. The 'Low VOC' reference related to United States Federal and State regulations exemptions for some solvents.

3M Australia SDSs are available at www.3m.com.au

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 04/07/2012

This Safety Data Sheet has been prepared in accordance with the Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice (Safe Work Australia, December 2011)

### **SECTION 1: Identification**

#### 1.1. Product identifier

3MTM ESPETM KETACTM MOLAR QUICK APLICAP LIQUID

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

#### Recommended use

Dental Product, Dental Restorative

For use only by dental professionals.

### Restrictions on use

For use by dental professionals only.

### 1.3. Supplier's details

Address: 3M Australia - Building A, 1 Rivett Road, North Ryde NSW 2113

**Telephone:** 136 136

E Mail: productinfo.au@mmm.com

Website: www.3m.com.au

### 1.4. Emergency telephone number

EMERGENCY: 1800 097 146 (Australia only)

### **SECTION 2: Hazard identification**

This product is NOT classified as a hazardous chemical according to the Model Work Health and Safety Regulations, 2011.

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

### 2.1. Classification of the substance or mixture

Not applicable.

#### 2.2. Label elements

### Signal word

Not applicable.

### **Symbols**

Not applicable.

#### **Pictograms**

Not applicable.

### 2.3. Other assigned/identified product hazards

None known.

#### 2.4. Other hazards which do not result in classification

None known.

# **SECTION 3: Composition/information on ingredients**

This material is a mixture.

Ingredient	CAS Nbr	% by Weight
Water	7732-18-5	40 - 55
Copolymer of acrylic and maleic acids	29132-58-9	35 - 50
Tartaric acid	87-69-4	5 - 10

### **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

Rinse mouth. If you feel unwell, get 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.
Carbon dioxide.
Irritant vapours or gases.

### 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. Observe precautions from other sections.

### 6.2. Environmental precautions

Avoid release to the environment.

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

Collect as much of the spilled material as possible. Clean up residue with water. Dispose of collected material as soon as possible.

During combustion.

During combustion.

During combustion.

# **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

Avoid prolonged or repeated skin contact. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Keep away from reactive metals (eg. Aluminum, zinc etc.) to avoid the formation of hydrogen gas that could create an explosion hazard.

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

No special storage requirements.

# **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.

Select and use eye protection in accordance with AS/NZS 1336. Eye protection should comply with the performance specifications of AS/NZS 1337.

### Skin/hand protection

See Section 7.1 for additional information on skin protection.

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#### **Respiratory** protection

None required.

# **SECTION 9: Physical and chemical properties**

### 9.1. Information on basic physical and chemical properties

Physical state Liquid. **Specific Physical Form:** Liquid

Appearance/Odour Slight characteristic odour, colourless.

**Odour threshold** No data available.

pН

No data available. Melting point/Freezing point

100 °C Boiling point/Initial boiling point/Boiling range No flash point Flash point No data available. **Evaporation rate** Flammability (solid, gas) Not applicable. Flammable Limits(LEL) Not applicable. Not applicable. Flammable Limits(UEL) No data available. Vapour pressure Vapour density No data available. **Density** No data available.

Relative density >=1.0 [*Ref Std*:WATER=1]

Water solubility Complete

Solubility- non-water No data available. No data available. Partition coefficient: n-octanol/water No data available. **Autoignition temperature Decomposition temperature** No data available. Viscosity <=10 Pa-s

Volatile organic compounds (VOC) No data available. No data available. Percent volatile **VOC less H2O & exempt solvents** No data available.

### **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. Conditions to avoid

None known.

### 10.4. Possibility of hazardous reactions

Hazardous polymerisation will not occur.

# 10.5 Incompatible materials

None known.

### 10.6 Hazardous decomposition products

**Substance Condition** 

None known.

# **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.

#### Eve contact

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

#### 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
Copolymer of acrylic and maleic	Dermal	Professional	LD50 estimated to be > 5,000 mg/kg
acids		judgement	
Copolymer of acrylic and maleic	Ingestion	Rat	LD50 > 5,000 mg/kg
acids			
Tartaric acid	Ingestion	Mouse	LD50 4,360 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.

#### **Exposure Levels**

Refer Section 8.1 Control Parameters of this Safety Data Sheet.

### **Interactive Effects**

Not determined.

# **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

### Acute aquatic hazard:

Not acutely toxic to aquatic life by GHS criteria.

#### **Chronic aquatic hazard:**

Not chronically toxic to aquatic life by GHS criteria.

No product test data available.

Material	CAS Number	Organism	Type	Exposure	Test endpoint	Test result
I - J	29132-58-9	Water flea	Experimental	48 hours	EC50	>100 mg/l
acrylic and						
maleic acids						
Copolymer of	29132-58-9	Zebra Fish	Experimental	96 hours	LC50	>100 mg/l
acrylic and						
maleic acids						
Copolymer of	29132-58-9	Zebra Fish	Experimental	14 days	NOEC	40 mg/l

acrylic and maleic acids						
Copolymer of acrylic and maleic acids	29132-58-9	Water flea	Experimental	21 days	NOEC	350 mg/l
Copolymer of acrylic and maleic acids	29132-58-9	Green algae	Experimental	96 hours	Effect Concentration 10%	32 mg/l
Tartaric acid	87-69-4		Data not available or insufficient for classification			

### 12.2. Persistence and degradability

Material	<b>CAS Number</b>	Test type	Duration	Study Type	Test result	Protocol
Water	7732-18-5	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Copolymer of acrylic and maleic acids	29132-58-9	Experimental Biodegradation	28 days	BOD	< 14 % weight	Other methods
Tartaric acid	87-69-4	Experimental Biodegradation	14 days	BOD	76 % weight	Other methods

### 12.3: Bioaccumulative potential

Material	CAS Number	Test type	Duration	Study Type	Test result	Protocol
Water	7732-18-5	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Copolymer of acrylic and maleic acids	29132-58-9	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Tartaric acid	87-69-4	Estimated Bioconcentrati on		Log Kow	-1.00	Estimated: Octanol- water partition coefficient

### 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

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

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.

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# **SECTION 14: Transport Information**

Australian Dangerous Goods Code (ADG) - 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**

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

### **Australian Inventory Status:**

This product is regulated by the Therapeutics Goods Administration and is exempt from compliance with the Industrial Chemicals (Notification and Assessment) Act 1989 as amended.

**Poison Schedule:** This product is intended for Industrial or Professional Use only and therefore is not packaged and labelled in accordance with the requirements of the Standard for the Uniform Scheduling of Medicines and Poisons.

### **SECTION 16: Other information**

### **Revision information:**

Complete document review.

DISCLAIMER: The information on this Safety Data Sheet is based on our experience and is correct to the best of our knowledge at the date of publication, but we do not accept any liability for any loss, damage or injury resulting from its use (except as required by law). The information may not be valid for any use not referred to in this Safety Data Sheet or use of the product in combination with other materials. For these reasons, it is important that customers carry out their own test to satisfy themselves as to the suitability of the product for their own intended applications.

Greenguard ® is a United States based program. The 'Low VOC' reference related to United States Federal and State regulations exemptions for some solvents.

#### 3M Australia SDSs are available at www.3m.com.au

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M <sup>TM</sup> ESPE <sup>TM</sup> KETAC <sup>TM</sup> MOI	LAR QUICK APLICAP	LIQUID		