

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.

IDENTIFICATION:

1.1. Product identifier

3MTM ScotchbondTM Universal Plus L-Pop IntroKit (41297)

Product Identification Numbers

UU-0109-0664-0

1.2. Recommended use and restrictions on use

Recommended use

Dental Product, Dental Adhesive

Restrictions on use

For use only by dental professionals in approved indications.

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)

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:

29-8286-6, 41-6513-0

One or more components of this KIT is classified as a hazardous substance in accordance with the relevant criteria of the HSNO Act 1996, the Hazardous Substances (Classification) Notice 2017 and the Hazardous Substances (Minimum Degrees of Hazard) Notice 2017.

TRANSPORT INFORMATION

The Dangerous Goods Classification for the complete Kit is provided below.

3M™ Scotchbond™ Universal Plus L-Pop IntroKit (41297)

UN No.: UN2924; UN1805

Proper shipping name: FLAMMABLE LIQUID CORROSIVE, N.O.S., (ETHANOL, 2-PROPENOIC ACID, 2-METHYL-,

REACTION PRODUCTS; PHOSPHORIC ACID SOLUTION)

Class/Division: 3; 8 Packing Group: II; III

Marine Pollutant: Not applicable.

Hazchem Code: 3WE; 2R

IERG: 18; 37

New Zealand Land Transport Rule: Dangerous Goods - Road/Rail Transport Special Instructions: Dangerous Goods in Excepted Quantities, Class 3; 8

International Air Transport Association (IATA)- Air Transport Special Instructions: Dangerous Goods in Excepted Quantities, Class 3; 8

International Maritime Dangerous Goods Code (IMDG)- Marine Transport

Special Instructions: FORBIDDEN BY THIS MODE OF TRANSPORT, 3M DIVISION POLICY

Revision information:

Initial issue.

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Document group: 41-6513-0 **Version number:** 1.00 **Issue Date:** 17/03/2021 **Supersedes date:** Initial issue.

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

3MTM ScotchbondTM Universal Plus L-Pop (41298, 41299, 41304, 41308)

1.2. Recommended use and restrictions on use

Recommended use

Dental Product, For use only by dental professionals in approved indications

Restrictions on use

Dental Adhesive

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			
Flammable Liquid: Category 2	3.1B Flammable Liquid			
Serious Eye Damage/Irritation: Category 1	8.3A Corrosive to eye			
Skin Corrosion/Irritation: Category 2	6.3A Irritating to the skin			
Skin Sensitiser: Category 1	6.5B Skin sensitiser			
Chronic Aquatic Toxicity: Category 2	9.1B Aquatic toxicity (chronic)			
Acute Aquatic Toxicity: Category 2	9.1D Aquatic toxicity (acute)			

2.2. Label elements SIGNAL WORD

DANGER!

Symbols:

Flame | Corrosion | Exclamation mark | Environment |





HAZARD STATEMENTS:

H225 Highly flammable liquid and vapour.

H318 Causes serious eye damage. H315 Causes skin irritation.

May cause an allergic skin reaction. H317

H411 Toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS

Prevention:

P210A Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking.

Ground and bond container and receiving equipment. P240B

Use non-sparking tools. P242A Keep container tightly closed. P233

P243A Take action to prevent static discharges.

P241 Use explosion-proof electrical/ventilating/lighting equipment.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray. Wear protective gloves and eye/face protection. P280B

Avoid release to the environment. P273

Wash exposed skin thoroughly after handling. P264B

Contaminated work clothing must not be allowed out of the workplace. P272A

Response:

P362 + P364

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing. IF ON SKIN: Wash with plenty of soap and water.

P302 + P352Immediately call a POISON CENTER or doctor/physician. P310 If skin irritation or rash occurs: Get medical advice/attention. P333 + P313Take off contaminated clothing and wash it before reuse.

P370 + P378GIn case of fire: Use a fire fighting agent suitable for flammable liquids such as dry

chemical or carbon dioxide to extinguish.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin P303 + P361 + P353A

with water or shower.

Storage:

P403 + P235Store in a well-ventilated place. Keep cool.

Disposal:

P501

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

2.3. Other hazards

- May cause chemical gastrointestinal burns. This material has been tested for skin corrosion/irritation and the test results are reflected in the assigned classification.

SECTION 3: Composition/information on ingredients

Ingredient	CAS Nbr	% by Weight
2-Propenoic acid, 2-methyl-, diesters with 4,6-dibromo-1,3-benzenediol 2-	2305048-54-6	25 - 35
(2-hydroxyethoxy)ethyl 3-hydroxypropyl diethers		
2-Hydroxyethylmethacrylate	868-77-9	15 - 25
2-Propenoic acid, 2-methyl-, reaction products with 1,10-decanediol and	1207736-18-2	< 20
phosphorus oxide (P2O5)		
2-Propenoic acid, 2-methyl-, 3-(triethoxysilyl)propyl ester and (3-	None	5 - 15
aminopropyl)triethoxysilane, reaction products with vitreous silica		
Ethanol	64-17-5	5 - 15
Water	7732-18-5	5 - 15
Camphorquinone	10373-78-1	< 2
Copolymer of Acryclic and Itaconic Acid	25948-33-8	< 2
N,N-Dimethylbenzocaine	10287-53-3	< 2
(3-Aminopropyl)Triethoxysilane	919-30-2	< 0.5
Acetic acid, copper(2+) salt, monohydrate	6046-93-1	< 0.1

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

Immediately wash with soap and water. Remove contaminated clothing and wash before reuse. If signs/symptoms develop, get medical attention.

Eye contact

Immediately flush with large amounts of water for at least 15 minutes. Remove contact lenses if easy to do. Continue rinsing. Immediately 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

The most important symptoms and effects based on the CLP classification include:

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 flammable liquids such as dry chemical or carbon dioxide to extinguish.

5.2. Special hazards arising from the substance or mixture

Closed containers exposed to heat from fire may build pressure and explode.

Hazardous Decomposition or By-Products

<u>Substance</u>	<u>Condition</u>
Formaldehyde	During combustion.
Carbon monoxide.	During combustion.
Carbon dioxide.	During combustion.
Irritant vapours or gases.	During combustion.
Oxides of nitrogen.	During combustion.

5.3. Special protective actions for fire-fighters

Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture. Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

5.4. Hazchem code: -3WE

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate area. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. 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. Warning! A motor could be an ignition source and could cause flammable gases or vapors in the spill area to burn or explode. 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. Cover spill area with a fire extinguishing foam that is resistant to polar solvents. Collect as much of the spilled material as possible using non-sparking tools. Place in a metal 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. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Take precautionary measures against static discharge. Avoid breathing dust/fume/gas/mist/vapours/spray. 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. Avoid contact with oxidising agents (eg. chlorine, chromic acid etc.) Do not get in eyes.

7.2. Conditions for safe storage including any incompatibilities

Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store away from heat. Store away from

acids. Store away from oxidising agents.

7.3. Certified handler

Not required

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

Copper compounds ACGIH TWA(as Cu, fume):0.2

mg/m3;TWA(as Cu dust or

mist):1 mg/m3

Ethanol ACGIH STEL:1000 ppm A3: Confirmed animal

carcinogen.

Ethanol New Zealand TWA(8 hours):1880 WES mg/m3(1000 ppm)

ACGIH: American Conference of Governmental Industrial Hygienists

AIHA: American Industrial Hygiene Association

CMRG: Chemical Manufacturer's Recommended Guidelines New Zealand WES: New Zealand Workplace Exposure Standards.

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

ppm: parts per million

mg/m3: milligrams per cubic metre

CEIL: Ceiling

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	Liquid.
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Specific Physical Form:	Viscous Liquid	
Colour	Yellow	
Odour	Alcohol	
Odour threshold	No data available.	
рН	Not applicable.	
Melting point/Freezing point	No data available.	
Boiling point/Initial boiling point/Boiling range	> 78 °C	
Flash point	± 21 °C [Test Method:Closed Cup]	
Evaporation rate	No data available.	
Flammability (solid, gas)	Not applicable.	
Flammable Limits(LEL)	No data available.	
Flammable Limits(UEL)	No data available.	
Vapour pressure	No data available.	
Vapor Density and/or Relative Vapor Density	No data available.	
Density	\pm 1.1 g/cm ³	
Relative density	± 1.1	
Water solubility	Appreciable	
Solubility- non-water	No data available.	
Partition coefficient: n-octanol/water	No data available.	
Autoignition temperature	No data available.	
Decomposition temperature	No data available.	
Viscosity/Kinematic Viscosity	Not applicable.	
Volatile organic compounds (VOC)	No data available.	
Percent volatile	No data available.	
VOC less H2O & exempt solvents	No data available.	

Nanoparticles

This material contains 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

Heat.

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

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

Skin contact

Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, dryness, cracking, blistering, and pain. Allergic skin reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

Eye contact

Corrosive (eye burns): Signs/symptoms may include cloudy appearance of the cornea, chemical burns, severe pain, tearing, ulcerations, significantly impaired vision or complete loss of vision.

Ingestion

Gastrointestinal corrosion: Signs/symptoms may include severe mouth, throat and abdominal pain, nausea, vomiting, and diarrhea; blood in the faeces and/or vomitus may also be seen.

Additional information:

This product contains ethanol. Alcoholic beverages and ethanol in alcoholic beverages have been classified by the International Agency for Research on Cancer as carcinogenic to humans. There are also data associating human consumption of alcoholic beverages with developmental toxicity and liver toxicity. Exposure to ethanol during the foreseeable use of this product is not expected to cause cancer, developmental toxicity, or liver toxicity.

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	Dermal	Professio	LD50 NA mg/kg
		nal	
		judgeme	
		nt	
Overall product	Ingestion	Rat	LD50 > 9,090 mg/kg
2-Propenoic acid, 2-methyl-, diesters with 4,6-dibromo-1,3-	Dermal	Professio	LD50 estimated to be > 5,000 mg/kg
benzenediol 2-(2-hydroxyethoxy)ethyl 3-hydroxypropyl diethers		nal	
		judgeme	
		nt	
2-Propenoic acid, 2-methyl-, diesters with 4,6-dibromo-1,3-	Ingestion	Rat	LD50 > 2,000 mg/kg
benzenediol 2-(2-hydroxyethoxy)ethyl 3-hydroxypropyl diethers			
2-Hydroxyethylmethacrylate	Dermal	Rabbit	LD50 > 5,000 mg/kg
2-Hydroxyethylmethacrylate	Ingestion	Rat	LD50 5,564 mg/kg
Ethanol	Dermal	Rabbit	LD50 > 15,800 mg/kg
Ethanol	Inhalation-	Rat	LC50 124.7 mg/l
	Vapor (4		

	hours)		
Ethanol	Ingestion	Rat	LD50 17,800 mg/kg
2-Propenoic acid, 2-methyl-, reaction products with 1,10-	Dermal	Professio	LD50 estimated to be > 5,000 mg/kg
decanediol and phosphorus oxide (P2O5)		nal	
		judgeme	
		nt	
2-Propenoic acid, 2-methyl-, reaction products with 1,10-	Ingestion	Rat	LD50 > 2,000 mg/kg
decanediol and phosphorus oxide (P2O5)			
Camphorquinone	Dermal	Professio	LD50 estimated to be 2,000 - 5,000 mg/kg
		nal	
		judgeme	
		nt	
Camphorquinone	Ingestion	Rat	LD50 > 2,000 mg/kg
Copolymer of Acryclic and Itaconic Acid	Ingestion	Rat	LD50 > 5,000 mg/kg
Copolymer of Acryclic and Itaconic Acid	Dermal	similar	LD50 estimated to be > 5,000 mg/kg
		health	
		hazards	
N,N-Dimethylbenzocaine	Dermal	Rat	LD50 > 2,000 mg/kg
N,N-Dimethylbenzocaine	Ingestion	Rat	LD50 > 2,000 mg/kg
(3-Aminopropyl)Triethoxysilane	Dermal	Rabbit	LD50 4,290 mg/kg
(3-Aminopropyl)Triethoxysilane	Ingestion	Rat	LD50 1,570 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value
Overall product	In vitro	Irritant
	data	
2-Propenoic acid, 2-methyl-, diesters with 4,6-dibromo-1,3-benzenediol 2-(2-	In vitro	Irritant
hydroxyethoxy)ethyl 3-hydroxypropyl diethers	data	
2-Hydroxyethylmethacrylate	Rabbit	Minimal irritation
Ethanol	Rabbit	No significant irritation
2-Propenoic acid, 2-methyl-, reaction products with 1,10-decanediol and	In vitro	Corrosive
phosphorus oxide (P2O5)	data	
N,N-Dimethylbenzocaine	Rabbit	No significant irritation
(3-Aminopropyl)Triethoxysilane	Rabbit	Corrosive

Serious Eye Damage/Irritation

Name	Species	Value
2-Propenoic acid, 2-methyl-, diesters with 4,6-dibromo-1,3-benzenediol 2-(2-	In vitro	No significant irritation
hydroxyethoxy)ethyl 3-hydroxypropyl diethers	data	_
2-Hydroxyethylmethacrylate	Rabbit	Moderate irritant
Ethanol	Rabbit	Severe irritant
2-Propenoic acid, 2-methyl-, reaction products with 1,10-decanediol and	In vitro	Corrosive
phosphorus oxide (P2O5)	data	
N,N-Dimethylbenzocaine	Rabbit	Mild irritant
(3-Aminopropyl)Triethoxysilane	Rabbit	Corrosive

Sensitisation:

Skin Sensitisation

Name	Species	Value
2-Propenoic acid, 2-methyl-, diesters with 4,6-dibromo-1,3-benzenediol 2-(2-hydroxyethoxy)ethyl 3-hydroxypropyl diethers	Professio nal	Sensitising
	judgemen t	
2-Hydroxyethylmethacrylate	Human and animal	Sensitising
Ethanol	Human	Not classified
2-Propenoic acid, 2-methyl-, reaction products with 1,10-decanediol and	Professio	Sensitising

3M[™] Scotchbond[™] Universal Plus L-Pop (41298, 41299, 41304, 41308)

phosphorus oxide (P2O5)	nal judgemen t	
(3-Aminopropyl)Triethoxysilane	Guinea pig	Sensitising

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
Overall product	In Vitro	Not mutagenic
2-Propenoic acid, 2-methyl-, diesters with 4,6-dibromo-1,3-benzenediol 2-(2-hydroxyethoxy)ethyl 3-hydroxypropyl diethers	In vivo	Not mutagenic
2-Propenoic acid, 2-methyl-, diesters with 4,6-dibromo-1,3-benzenediol 2-(2-hydroxyethoxy)ethyl 3-hydroxypropyl diethers	In Vitro	Some positive data exist, but the data are not sufficient for classification
2-Hydroxyethylmethacrylate	In vivo	Not mutagenic
2-Hydroxyethylmethacrylate	In Vitro	Some positive data exist, but the data are not sufficient for classification
Ethanol	In Vitro	Some positive data exist, but the data are not sufficient for classification
Ethanol	In vivo	Some positive data exist, but the data are not sufficient for classification
2-Propenoic acid, 2-methyl-, reaction products with 1,10-decanediol and phosphorus oxide (P2O5)	In Vitro	Not mutagenic

Carcinogenicity

Name	Route	Species	Value
Ethanol	Ingestion	Multiple animal	Some positive data exist, but the data are not sufficient for classification
		species	

Reproductive Toxicity

Reproductive and/or Developmental Effects

Name	Route	Value	Species	Test result	Exposure Duration
2-Propenoic acid, 2-methyl-, diesters with 4,6-dibromo-1,3-benzenediol 2-(2-hydroxyethoxy)ethyl 3-hydroxypropyl diethers	Ingestion	Not classified for female reproduction	Rat	NOAEL 1,000 mg/kg/day	premating into lactation
2-Propenoic acid, 2-methyl-, diesters with 4,6-dibromo-1,3-benzenediol 2-(2-hydroxyethoxy)ethyl 3-hydroxypropyl diethers	Ingestion	Not classified for male reproduction	Rat	NOAEL 1,000 mg/kg/day	29 days
2-Propenoic acid, 2-methyl-, diesters with 4,6-dibromo-1,3-benzenediol 2-(2-hydroxyethoxy)ethyl 3-hydroxypropyl diethers	Ingestion	Not classified for development	Rat	NOAEL 1,000 mg/kg/day	premating into lactation
2-Hydroxyethylmethacrylate	Ingestion	Not classified for female reproduction	Rat	NOAEL 1,000 mg/kg/day	premating & during gestation
2-Hydroxyethylmethacrylate	Ingestion	Not classified for male reproduction	Rat	NOAEL 1,000 mg/kg/day	49 days
2-Hydroxyethylmethacrylate	Ingestion	Not classified for development	Rat	NOAEL 1,000 mg/kg/day	premating & during gestation
Ethanol	Inhalation	Not classified for development	Rat	NOAEL 38 mg/l	during gestation
Ethanol	Ingestion	Not classified for development	Rat	NOAEL 5,200 mg/kg/day	premating & during gestation

Target Organ(s)

Specific Target Organ Toxicity - single exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
2-Propenoic acid, 2- methyl-, diesters with 4,6- dibromo-1,3-benzenediol 2-(2-hydroxyethoxy)ethyl 3-hydroxypropyl diethers	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	similar health hazards	NOAEL Not available	
Ethanol	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	Human	LOAEL 9.4 mg/l	not available
Ethanol	Inhalation	central nervous system depression	Not classified	Human and animal	NOAEL not available	
Ethanol	Ingestion	central nervous system depression	Not classified	Multiple animal species	NOAEL not available	
Ethanol	Ingestion	kidney and/or bladder	Not classified	Dog	NOAEL 3,000 mg/kg	
2-Propenoic acid, 2- methyl-, reaction products with 1,10-decanediol and phosphorus oxide (P2O5)	Inhalation	respiratory irritation	May cause respiratory irritation	similar health hazards	NOAEL Not available	
Copolymer of Acryclic and Itaconic Acid	Ingestion	nervous system	Not classified	Rat	NOAEL 5,000 mg/kg	

Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Overall product	Ingestion	heart endocrine system gastrointestinal tract bone, teeth, nails, and/or hair hematopoietic system liver immune system muscles nervous system eyes kidney and/or bladder respiratory system	Not classified	Rat	NOAEL 0.00212 mg/kg/day	28 days
2-Propenoic acid, 2- methyl-, diesters with 4,6- dibromo-1,3-benzenediol 2-(2-hydroxyethoxy)ethyl 3-hydroxypropyl diethers	Ingestion	heart endocrine system gastrointestinal tract bone, teeth, nails, and/or hair hematopoietic system liver immune system muscles nervous system eyes kidney and/or bladder respiratory system	Not classified	Rat	NOAEL 1,000 mg/kg/day	29 days
Ethanol	Inhalation	liver	Some positive data exist, but the data are not sufficient for classification	Rabbit	LOAEL 124 mg/l	365 days
Ethanol	Inhalation	hematopoietic system immune system	Not classified	Rat	NOAEL 25 mg/l	14 days
Ethanol	Ingestion	liver	Some positive data exist, but the data are not sufficient for classification	Rat	LOAEL 8,000 mg/kg/day	4 months

Ethanol	Ingestion	kidney and/or bladder	Not classified	Dog	NOAEL 3,000 mg/kg/day	7 days
Copolymer of Acryclic and Itaconic Acid	Ingestion	endocrine system hematopoietic system liver	Not classified	Rat	NOAEL 200 mg/kg/day	28 days
Copolymer of Acryclic and Itaconic Acid	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 2,000 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

Ecotoxic to the aquatic environment.

Acute Aquatic Toxicity: Category 2 (HSNO 9.1D Aquatic toxicity) Chronic Aquatic Toxicity: Category 2 (HSNO 9.1B Aquatic toxicity)

No product test data available.

Material	CAS Number	Organism	Type	Exposure	Test endpoint	Test result
2-Propenoic			Data not			N/A
acid, 2-methyl-,			available or			
diesters with			insufficient for			
4,6-dibromo-			classification			
1,3-						
benzenediol 2-						
(2-						
hydroxyethoxy						
ethyl 3-						
hydroxypropyl						
diethers						
2-		Fathead	Experimental	96 hours	LC50	227 mg/l
Hydroxyethylm		minnow				
ethacrylate						
2-		Green algae	Experimental	72 hours	EC50	710 mg/l
Hydroxyethylm						
ethacrylate						
2-		Water flea	Experimental	48 hours	EC50	380 mg/l
Hydroxyethylm						
ethacrylate						

Hydroxyethylm ethearylate ethe	2-	Green Algae	Experimental	72 hours	NOEC	160 mg/l
2- Hydroxyethylm ethacrylate 2-Propencia acid, 2-methyl, reaction products with 1,10-decanediol and phosphorus oxide (P2OS) Ethanol Fish other Experimental 96 hours LC50 11,000 mg/l Ethanol Green algae Experimental 72 hours EC50 275 mg/l Ethanol Green algae Experimental 72 hours EC50 3,012 mg/l Ethanol Green algae Experimental 72 hours EC50 3,012 mg/l Ethanol Green algae Experimental 72 hours EC50 3,012 mg/l Ethanol Green algae Experimental 72 hours EC50 3,012 mg/l Ethanol Green algae Experimental 72 hours EC50 3,012 mg/l Ethanol Green algae Experimental 72 hours EC50 3,012 mg/l Ethanol Green algae Experimental 72 hours EC50 3,012 mg/l Ethanol Green algae Experimental 72 hours EC50 3,012 mg/l Ethanol Green algae Experimental 72 hours EC50 9,6 mg/l N/A near the first of the f	Hydroxyethylm		-			
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ethacrylate 2-Propenoic acid, 2-methyl-, reaction products with 1,10- decanediol and phosphorus oxide (P205) Ethanol Ethanol Fish other Experimental Martine Experimental Fish other Fish other Experimental Fish other Experimental Fish other Fish other Experimental Fish other Fish other Fish other Experimental Fish other Fish other Fish other Fish other Fish other Experimental Fish other Fish ot		Water flea	Experimental	21 days	NOEC	24.1 mg/l
2-Propenoic acid, 2-methyl-, reaction products with 1,10-0 decanediol and phosphorus oxide (P2OS) Ethanol Fathead Experimental P6 hours LC50 14,200 mg/l minnow Ethanol Green algae Experimental 72 hours EC50 275 mg/l Ethanol Green algae Experimental 72 hours EC50 275 mg/l Ethanol Green algae Experimental 72 hours EC50 11,500 mg/l Ethanol Green algae Experimental 72 hours EC50 11,5 mg/l Ethanol Green algae Experimental 72 hours EC50 11,5 mg/l Ethanol Green algae Experimental 72 hours EC10 11.5 mg/l Ethanol Water flea Experimental 72 hours EC10 11.5 mg/l Ethanol Water flea Experimental 10 days NOEC 9.6 mg/l Camphorquino ne Data not available or insufficient for classification Copolymer of Activated Acid available or insufficient for classification N,N- Dimethylbenzo acine Green Algae Experimental 3 hours EC50 >1,000 mg/l Dimethylbenzo caine N,N- Dimethylbenzo caine Green Algae Experimental P6 hours EC50 1.9 mg/l Dimethylbenzo caine N,N- Dimethylbenzo caine N,N- Dimethylbenzo caine A,N- Dimethylbenzo caine N,N- Dimethylbenzo caine N,N- Dimethylbenzo caine N,N- Dimethylbenzo caine N,N- Dimethylbenzo caine S,N- Dimethylbenzo caine Experimental 48 hours EC50 4.5 mg/l Dimethylbenzo caine S,N- Dimethylbenzo caine Experimental S,75 hours EC50 4.5 mg/l Dimethylbenzo caine S,75 hours EC50 4.5 mg/l Dimethylbenzo caine Experimental S,75 hours EC50 580 mg/l Aminopropyl)Triethoxysilane (3- Aminopropyl)Triethoxysilane (3- Green algae Experimental 72 hours EC50 603 mg/l						
acid_2-methyl-, reaction products with 1,10-decamediol and phosphorus oxide (P2OS) Ethanol Fish other Experimental 96 hours LC50 11,000 mg/l minnow Ethanol Green algae Experimental 72 hours EC50 2,75 mg/l Ethanol Water flea Experimental 48 hours LC50 5,012 mg/l Ethanol Green algae Experimental 72 hours EC50 5,012 mg/l Ethanol Green algae Experimental 72 hours EC50 5,012 mg/l Ethanol Green algae Experimental 72 hours EC50 5,012 mg/l Ethanol Water flea Experimental 72 hours EC50 5,012 mg/l Ethanol Water flea Experimental 10 days NOEC 9.6 mg/l Camphorquino ne Data not available or insufficient for classification Copolymer of Acryclic and Itaconic Acid Activated Sludge Experimental 3 hours EC50 1,000 mg/l Dimethylbenzo caine N,N- Dimethylbenzo caine N,N- Dimethylbenzo caine N,N- Rainbow trout Experimental 96 hours LC50 1.9 mg/l Experimental 72 hours EC50 2.8 mg/l Experimental 72 hours EC50 1.9 mg/l Experimental 72 hours EC50 4.5 mg/l Experimental 72 hours EC50 580 mg/l Experimental 72 hours EC50 580 mg/l Experimental 5.75 hours EC50 580 mg/l			Data mat			NI/A
Insufficient for classification Insu						IN/A
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decanediol and phosphorus oxide (P2O5) Ethanol Fathead minnow Ethanol Fish other Experimental 96 hours LC50 11,000 mg/l Ethanol Green algae Experimental 72 hours EC50 275 mg/l Ethanol Green algae Experimental 48 hours LC50 5,012 mg/l Ethanol Green algae Experimental 72 hours EC50 275 mg/l Ethanol Green algae Experimental 72 hours EC50 5,012 mg/l Ethanol Green algae Experimental 72 hours EC10 11.5 mg/l Ethanol Water flea Experimental 10 days NOEC 9.6 mg/l Camphorquino ne Data not available or insufficient for classification 10 days NOEC 9.6 mg/l Copolymer of Acryclic and Itaconic Acid 10 days NOEC 9.6 mg/l Acryclic and Itaconic Acid 10 days NOEC 9.6 mg/l Dimethylbenzo caine N,N- Green Algae Experimental 3 hours EC50 >1,000 mg/l Dimethylbenzo caine N,N- Green Algae Experimental 72 hours EC50 2.8 mg/l Dimethylbenzo caine N,N- Green Algae Experimental 48 hours EC50 4.5 mg/l Dimethylbenzo caine N,N- Green Algae Experimental 5.75 hours EC50 4.5 mg/l Dimethylbenzo caine N,N- Green Algae Experimental 5.75 hours EC50 580 mg/l Aminopropyl)T ricethoxysilane (3- Crustecea other Experimental 72 hours EC50 580 mg/l Aminopropyl)T ricethoxysilane (3- Green algae Experimental 72 hours EC50 603 mg/l			Classification			
Ethanol Fathead Experimental 96 hours LC50 14,200 mg/l	decanediol and					
Ethanol Fathead Experimental 96 hours LC50 14,200 mg/l	phosphorus					
Ethanol Fish other Experimental 96 hours LC50 11,000 mg/l Ethanol Green algae Experimental 72 hours EC50 275 mg/l Ethanol Water flea Experimental 48 hours LC50 5,012 mg/l Ethanol Green algae Experimental 72 hours ErC10 11.5 mg/l Ethanol Water flea Experimental 10 days NOEC 9.6 mg/l Ethanol Water flea Experimental 10 days NOEC 9.6 mg/l Camphorquino ne Data not available or insufficient for classification Copolymer of Activated available or insufficient for classification N,N- Dimethylbenzo caine N,N- Green Algae Experimental Sludge Sludge Experimental Sludge Sludge Experimental Sludge	oxide (P2O5)					
Ethanol Fish other Experimental 96 hours LC50 11,000 mg/l Ethanol Green algae Experimental 72 hours EC50 275 mg/l Ethanol Water flea Experimental 48 hours LC50 5,012 mg/l Ethanol Green algae Experimental 72 hours EC10 11.5 mg/l Ethanol Water flea Experimental 72 hours EC10 11.5 mg/l Ethanol Water flea Experimental 10 days NOEC 9.6 mg/l Camphorquino ne Data not available or insufficient for classification Copolymer of Actryctic and Itaconic Acid Sludge Experimental 3 hours EC50 >1,000 mg/l N,N- Dimethylbenzo caine Experimental Seperimental	Ethanol		Experimental	96 hours	LC50	14,200 mg/l
Ethanol Green algae Experimental 72 hours ECS0 275 mg/l Ethanol Water flea Experimental 48 hours LC50 5,012 mg/l Ethanol Green algae Experimental 48 hours LC50 5,012 mg/l Ethanol Green algae Experimental 72 hours ErC10 11.5 mg/l Ethanol Water flea Experimental 10 days NOEC 9.6 mg/l Camphorquino ne Data not available or insufficient for classification Copolymer of Acryclic and Itaconic Acid shudge asine shudge asine 8,N,- Dimethylbenzo caine N,N- Dimethylbenzo caine N,N- Rainbow trout Experimental 72 hours EC50 2.8 mg/l Experimental 72 hours EC50 1.9 mg/l Experimental 72 hours EC50 1.9 mg/l Experimental 72 hours EC50 4.5 mg/l Experimental 72 hours EC50 4.5 mg/l Experimental 72 hours EC50 4.5 mg/l Experimental 72 hours EC50 580 mg/l	Ethanol		Experimental	96 hours	LC50	11,000 mg/l
Ethanol Water flea Experimental 48 hours LC50 5,012 mg/l Ethanol Green algae Experimental 72 hours ErC10 11.5 mg/l Ethanol Water flea Experimental 72 hours FrC10 11.5 mg/l Ethanol Water flea Experimental 10 days NOEC 9.6 mg/l Camphorquino ne Data not available or insufficient for classification Copolymer of Acryclic and Itaconic Acid Sludge Sl	Ethanol		-			
Ethanol Green algae Experimental 72 hours ErC10 11.5 mg/l Ethanol Water flea Experimental 10 days NOEC 9.6 mg/l Camphorquino ne Data not available or insufficient for classification Copolymer of Acryclic and Itaconic Acid sludge Caine N,N- Dimethylbenzo caine C3- Assignation Algae Experimental S,75 hours EC50 A.5 mg/l Assignation Algae Experimental S,75 hours EC50 A3 mg/l Crustecea other Experimental A8 hours EC50 S80 mg/l Crustecea other Experimental A8 hours EC50 S80 mg/l	Ethanol			<u> </u>		
Ethanol Water flea Experimental 10 days NOEC 9.6 mg/l Camphorquino ne Data not available or insufficient for classification Copolymer of Acryclic and Itaconic Acid Sludge aine N,N- Dimethylbenzo caine (3- Aminopropyl)T ricethoxysilane	Ethanol		-			=
Camphorquino ne Data not available or insufficient for classification	Ethanol		-	ļ		-
available or insufficient for classification Copolymer of Acryclic and Itaconic Acid N/A Activated Sludge Caine N,N- Dimethylbenzo caine (3- Aminopropyl)T riethoxysilane (3- Crustecea other Experimental Aminopropyl)T riethoxysilane (3- Crustecea other Experimental Green algae Experimental 72 hours EC50 580 mg/l Crustecea other Experimental 72 hours EC50 603 mg/l			1	, .		
Insufficient for classification	ne					11/21
Data not available or insufficient for classification			insufficient for			
Acryclic and Itaconic Acid Acryclic and Itaconic Acid available or insufficient for classification			classification			
Itaconic Acid insufficient for classification N,N- Dimethylbenzo caine S,N- Dimethylbenzo caine C						N/A
Classification Single Classification						
N,N-Dimethylbenzo caine N,N-Di	Itaconic Acid					
Dimethylbenzo caine N,N- Dimethylbenzo caine S- N,N- Dimethylbenzo caine S- N,N- Dimethylbenzo caine S- N,N- Dimethylbenzo caine C- N,N- Dimethylbenzo caine C- S- C-	NIN	A 1		2.1	E070	1 000 //
caine N,N- Dimethylbenzo caine S,N- Dimethylbenzo caine C3- Aminopropyl)T riethoxysilane (3- Aminopropyl)T riethoxysilane (3- Crustecea other Experimental A8 hours EC50 Crustecea other Experimental 5.75 hours EC50 Experimental 48 hours EC50 A8 hours EC50 A3 mg/l Crustecea other Experimental 48 hours Crustecea other Experimental 48 hours Crustecea other Experimental 48 hours Crustecea other Experimental 72 hours EC50 Crustecea other Experimental 72 hours Company II Company II Crustecea other Experimental 72 hours Company II Compa		I	Experimental	3 hours	EC50	>1,000 mg/I
N,N-Dimethylbenzo caine C3-Aminopropyl)T riethoxysilane C4-Crustecea other Experimental C5-Crustecea other Experimental Aminopropyl)T riethoxysilane C6-Crustecea other Experimental C7-Crustecea other C8-Crustecea other C9-Crustecea other		sludge				
Dimethylbenzo caine N,N- Dimethylbenzo caine Seren Algae Experimental 72 hours ErC10 Bacteria Experimental 5.75 hours EC50 Aminopropyl)T riethoxysilane (3- Aminopropyl)T riethoxysilane		Green Algae	Evnerimental	72 hours	EC50	2.8 mg/l
caine N,N- Dimethylbenzo caine (3- Aminopropyl)T riethoxysilane		Green Aigae	Experimental	72 Hours	EC30	2.8 mg/1
N,N-Dimethylbenzo caine (3-Aminopropyl)T riethoxysilane (3-Aminopropyl)T riethoxysilane (3-Green algae						
Dimethylbenzo caine N,N- Dimethylbenzo caine N,N- Dimethylbenzo caine Green Algae Experimental Frequency States of the stat		Rainbow trout	Experimental	96 hours	LC50	1.9 mg/l
N,N- Dimethylbenzo caine N,N- Dimethylbenzo caine N,N- Dimethylbenzo caine (3- Aminopropyl)T riethoxysilane	Dimethylbenzo		1			
Dimethylbenzo caine N,N- Dimethylbenzo caine (3- Aminopropyl)T riethoxysilane	caine					
caine N,N- Dimethylbenzo caine (3- Aminopropyl)T riethoxysilane (3- Aminopropyl)T riethoxysilane (3- Green algae Experimental 5.75 hours EC50 43 mg/l Experimental 48 hours LC50 580 mg/l Green algae Experimental 72 hours EC50 603 mg/l	N,N-	Water flea	Experimental	48 hours	EC50	4.5 mg/l
N,N- Dimethylbenzo caine (3- Aminopropyl)T riethoxysilane	1 1					
Dimethylbenzo caine (3- Aminopropyl)T riethoxysilane (3- Aminopropyl)T riethoxysilane (3- Aminopropyl)T riethoxysilane (3- Aminopropyl)T riethoxysilane (3- Green algae Experimental 72 hours EC50 603 mg/l						
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Bacteria Experimental 5.75 hours EC50 43 mg/l	1 1					
Aminopropyl)T riethoxysilane (3-		Destanta	F	5.75 1	ECSO	42 /1
riethoxysilane (3- Aminopropyl)T riethoxysilane (3- Green algae Experimental 72 hours EC50 603 mg/l	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Bacteria	Experimental	5.75 nours	ECSU	43 mg/1
(3- Aminopropyl)T riethoxysilane (3- Green algae Experimental 72 hours EC50 580 mg/l						
Aminopropyl)T riethoxysilane Green algae Experimental 72 hours EC50 603 mg/l		Crustecea other	Evnerimental	48 hours	I C50	580 mg/l
riethoxysilane Green algae Experimental 72 hours EC50 603 mg/l		Crusiceca offici	LAperimental	10 Hours		Joo mg/1
Green algae Experimental 72 hours EC50 603 mg/l						
	-	Green algae	Experimental	72 hours	EC50	603 mg/l
Aminopropyi)1'	Aminopropyl)T					
	riethoxysilane					

(3- Aminopropyl)T riethoxysilane	Wai	ter flea	Experimental	48 hours	EC50	331 mg/l
(3- Aminopropyl)T riethoxysilane	Zeb	ra Fish	Experimental	96 hours	LC50	>934 mg/l
(3- Aminopropyl)T riethoxysilane	Gre	en algae	Experimental	72 hours	NOEC	1.3 mg/l
Acetic acid, copper(2+) salt, monohydrate	Alg	ae other	Experimental	72 hours	EC50	0.005 mg/l
Acetic acid, copper(2+) salt, monohydrate	Cor	mmon Carp	Experimental	96 days	LC50	0.004 mg/l
Acetic acid, copper(2+) salt, monohydrate	Cru	stacea	Experimental	96 hours	EC50	>12.8 mg/l

12.2. Persistence and degradability

Material	CAS Number	Test type	Duration	Study Type	Test result	Protocol
2-Propenoic		Experimental	28 days	CO2 evolution	3.69 %CO2	OECD 301B - Modified
acid, 2-methyl-,		Biodegradation			evolution/THC	sturm or CO2
diesters with					O2 evolution	
4,6-dibromo-						
1,3-						
benzenediol 2-						
(2-						
hydroxyethoxy						
ethyl 3-						
hydroxypropyl						
diethers						
2-		Experimental	14 days	BOD	95 %	OECD 301C - MITI
Hydroxyethylm		Biodegradation			BOD/ThBOD	test (I)
ethacrylate						
2-Propenoic		Estimated	28 days	BOD	91 % weight	OECD 301C - MITI
acid, 2-methyl-,		Biodegradation				test (I)
reaction						
products with						
1,10-						
decanediol and						
phosphorus						
oxide (P2O5)						
Ethanol		Experimental	14 days	BOD	89 %	OECD 301C - MITI
		Biodegradation			BOD/ThBOD	test (I)
Camphorquino		Estimated	28 days	BOD	20.6 %	OECD 301C - MITI
ne		Biodegradation			BOD/ThBOD	test (I)
Copolymer of		Data not			N/A	
Acryclic and		availbl-				
Itaconic Acid		insufficient				
N,N-		Experimental	28 days	CO2 evolution	40 %CO2	OECD 301B - Modified
Dimethylbenzo		Biodegradation	_		evolution/THC	sturm or CO2
caine					O2 evolution	
(3-		Estimated		Photolytic half-	7.28 hours (t	Non-standard method

Aminopropyl)T]	Photolysis		life (in air)	1/2)	
riethoxysilane						
(3-]	Experimental		Hydrolytic	8.5 hours (t	Non-standard method
Aminopropyl)T]	Hydrolysis		half-life	1/2)	
riethoxysilane						
(3-]	Experimental	28 days	BOD	54 %	OECD 301C - MITI
Aminopropyl)T]	Biodegradation	-		BOD/ThBOD	test (I)
riethoxysilane						
Acetic acid,		Data not			N/A	
copper(2+) salt,	la	availbl-				
monohydrate	i	insufficient				

12.3 : Bioaccumulative potential

Material	CAS Number	Test type	Duration	Study Type	Test result	Protocol
2-Propenoic		Estimated		Bioaccumulatio	6.5	Catalogic TM
acid, 2-methyl-,		Bioconcentrati		n factor		
diesters with		on				
4,6-dibromo-						
1,3-						
benzenediol 2-						
(2-						
hydroxyethoxy						
ethyl 3-						
hydroxypropyl						
diethers						
2-		Experimental		Log Kow	0.42	Non-standard method
Hydroxyethylm		Bioconcentrati				
ethacrylate		on				
2-Propenoic		Estimated		Bioaccumulatio	4.5	Non-standard method
acid, 2-methyl-,		Bioconcentrati		n factor		
reaction		on				
products with						
1,10-						
decanediol and						
phosphorus						
oxide (P2O5)		D		T T7	0.25	NT . 1 1 .1 1
Ethanol		Experimental		Log Kow	-0.35	Non-standard method
		Bioconcentrati				
G 1 :		on	1	D: 1	7.1	D .: . 1
Camphorquino		Estimated		Bioaccumulatio	7.1	Estimated:
ne		Bioconcentrati		n factor		Bioconcentration factor
C 1 C		on	D.T./ A	3.7/4	37/4	37/4
Copolymer of		Data not	N/A	N/A	N/A	N/A
Acryclic and		available or				
Itaconic Acid		insufficient for				
27.27		classification		T T/	2.2	D.T 1 . 1 . 1 . 1
N,N-		Experimental		Log Kow	3.2	Non-standard method
Dimethylbenzo		Bioconcentrati				
caine (3-		on	56 1	D:1 /	-2.4	OECD 305E -
\		Experimental DCF Com-	56 days	Bioaccumulatio	S.4	
Aminopropyl)T		BCF-Carp		n factor		Bioaccumulation flow-
riethoxysilane		Doto not	NT/A	NT/A	NT/A	through fish test
Acetic acid,		Data not	N/A	N/A	N/A	N/A
copper(2+) salt,		available or				

3M[™] Scotchbond[™] Universal Plus L-Pop (41298, 41299, 41304, 41308)

monohydrate	insufficient for		
	classification		

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 uncured product in a permitted waste incineration facility. As a disposal alternative, utilize an acceptable permitted waste disposal facility. If no other disposal options are available, waste product that has been completely cured or polymerized may be placed in a landfill properly designed for industrial waste.

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.: UN2924

Proper Shipping Name: FLAMMABLE LIQUID, CORROSIVE, N.O.S., (ETHANOL, 2-PROPENOIC ACID, 2-

METHYL-, REACTION PRODUCTS)

Class/Division: 3 Sub Risk: 8 Packing Group: II

Special Instructions: Dangerous goods in Excepted Quantities, Class 3,8

Hazchem Code: -3WE

IERG: 18

International Air Transport Association (IATA) - Air Transport

UN No.: UN2924

Proper Shipping Name: FLAMMABLE LIQUID, CORROSIVE, N.O.S., (ETHANOL, 2-PROPENOIC ACID, 2-

METHYL-, REACTION PRODUCTS)

Class/Division: 3 Sub Risk: 8 Packing Group: II

Special Instructions: Dangerous goods in Excepted Quantities, Class 3,8

International Maritime Dangerous Goods Code (IMDG) - Marine Transport

UN No.: UN2924

Proper Shipping Name: FLAMMABLE LIQUID, CORROSIVE, N.O.S., (ETHANOL, 2-PROPENOIC ACID, 2-

METHYL-, REACTION PRODUCTS)

Class/Division: 3 Sub Risk: 8 Packing Group: II

Marine Pollutant: Not applicable.

Special Instructions: FORBIDDEN BY THIS MODE OF TRANSPORT, 3M DIVISION POLICY

SECTION 15: Regulatory information

3M[™] Scotchbond[™] Universal Plus L-Pop (41298, 41299, 41304, 41308)

HSNO Approval number HSR002556

Group standard name Dental Products (Flammable) Group Standard 2017

HSNO Hazard classification Refer to Section 2: Hazard identification

NZ Inventory of Chemicals (NZIoC) Status

NZIoC notification in progress for an ingredient in this product. All other hazardous ingredients are NZIoC YES

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

Certified handler Not required

Location Compliance Certificate 100 L (closed containers greater than 5 L) 250 L (closed containers up to and

including 5 L) 50 L (open containers)

Hazardous atmosphere zone 100 L (closed containers) 25 L (decanting) 5 L (open occasionally) 1 L

(open containers in continuous use)

Fire extinguishers Two required for 250 L

Emergency response plan 100 L (for a HSNO 9.1A substance) or 1,000 L (for all other substances) Secondary containment 100 L (for a HSNO 9.1A substance) or 1,000 L (for all other substances)

Tracking Not required

Warning signage 100 L (for a HSNO 9.1A substance), or 250 L (for all other substances)

SECTION 16: Other information

Revision information:

Initial issue.

Document group:	41-6513-0	Version number:	1.00
Issue Date:	17/03/2021	Supersedes date:	Initial issue.

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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Safety Data Sheet

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Document group: 29-8286-6 **Version number:** 4.00

Issue Date: 04/03/2021 **Supersedes date:** 09/11/2020

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

3MTM ScotchbondTM Universal Etchant (41263)

1.2. Recommended use and restrictions on use

Recommended use

Dental Product, Etching gel

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
Corrosive to metal: Category 1	8.1A Corrosive to metals
Serious Eye Damage/Irritation: Category 1	8.3A Corrosive to eye
Skin Corrosion/Irritation: Category 1C	8.2C Corrosive to skin
No GHS Equivalent	9.3C Terrestrial vertebrate toxicity

2.2. Label elements

SIGNAL WORD

DANGER!

Symbols:

Corrosion |

Pictograms



HAZARD STATEMENTS:

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

H433 Harmful to terrestrial vertebrates.

PRECAUTIONARY STATEMENTS

Prevention:

P234A Keep only in original packaging.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P280A Wear eye/face protection.

P280D Wear protective gloves, protective clothing, and eye/face protection.

P273 Avoid release to the environment.

P264B Wash exposed skin thoroughly after handling.

Response:

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/physician.

P363 Wash contaminated clothing before reuse.

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P321 Specific treatment (see Notes to Physician on this label).

P390 Absorb spillage to prevent material damage.

P303 + P361 + P353A IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin

with water or shower.

Storage:

P405 Store locked up.

P406A Store in a corrosion resistant container with a resistant inner liner.

Disposal:

P501 Dispose of contents/container in accordance with applicable

local/regional/national/international regulations.

2.3. Other hazards

- May cause chemical gastrointestinal burns.

SECTION 3: Composition/information on ingredients

Ingredient	CAS Nbr	% by Weight
Water	7732-18-5	50 - 65
Phosphoric Acid	7664-38-2	30 - 40
Synthetic Amorphous Silica, Fumed, Crystalline Free	112945-52-5	5 - 10
Polyethylene Glycol	25322-68-3	1 - 5
Aluminium Oxide	1344-28-1	< 2

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

Immediately flush with large amounts of water for at least 15 minutes. Remove contaminated clothing. Get immediate medical attention. Wash clothing before reuse.

Eye contact

Immediately flush with large amounts of water for at least 15 minutes. Remove contact lenses if easy to do. Continue rinsing. Immediately 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

No critical symptoms or effects. 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

SubstanceConditionCarbon monoxide.During combustion.Carbon dioxide.During combustion.

5.3. Special protective actions for fire-fighters

Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

5.4. Hazchem code: 2R

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 metal container approved for use in transportation by appropriate authorities. The container must be lined with polyethylene plastic or contain a plastic drum liner made of polyethylene. Clean up residue with water. Cover, but do not seal for 48 hours. 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

Avoid prolonged or repeated skin contact. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid release to the environment. Wash contaminated clothing before reuse. Do not get in eyes.

7.2. Conditions for safe storage including any incompatibilities

Store away from heat. Keep only in original container. Store in a corrosive resistant container with a resistant inner liner. Store away from strong bases.

7.3. Certified handler

Not required

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.

tor the component.				
Ingredient	CAS Nbr	Agency	Limit type	Additional comments
Aluminium Oxide	1344-28-1	New Zealand WES	TWA(8 hours):10 mg/m3	
Aluminum, insoluble compounds	1344-28-1	ACGIH	TWA(respirable fraction):1 mg/m3	A4: Not class. as human carcinogin
Polyethylene Glycol	25322-68-3	AIHA	TWA(as aerosol):10 mg/m3	_
Phosphoric Acid	7664-38-2	ACGIH	TWA: 1 mg/m³; STEL: 3 mg/m³	
Phosphoric Acid	7664-38-2	New Zealand WES	TWA(8 hours): 1 mg/m3	

ACGIH: American Conference of Governmental Industrial Hygienists

AIHA: American Industrial Hygiene Association

CMRG: Chemical Manufacturer's Recommended Guidelines New Zealand WES: New Zealand Workplace Exposure Standards.

TWA: Time-Weighted-Average STEL: Short Term Exposure Limit ppm: parts per million

mg/m3: milligrams per cubic metre

CEIL: Ceiling

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

information on dasic physical and chemical properties				
Physical state	Liquid.			
Specific Physical Form:	Gel			
Colour	Blue			
Odour	Slight Odour, Characteristic Odour			
Odour threshold	No data available.			
pH	< 1			
Melting point/Freezing point	Not applicable.			
Boiling point/Initial boiling point/Boiling range	No data available.			
Flash point	> 100 °C [Test Method:Closed Cup]			
Evaporation rate	No data available.			
Flammability (solid, gas)	Not applicable.			
Flammable Limits(LEL)	No data available.			
Flammable Limits(UEL)	No data available.			
Vapour pressure	No data available.			
Vapor Density and/or Relative Vapor Density	No data available.			
Density	1.1 g/ml - 1.2 g/ml			
Relative density	1.1 - 1.2 [<i>Ref Std</i> :WATER=1]			
Water solubility	Complete			
Solubility- non-water	No data available.			
Partition coefficient: n-octanol/water	No data available.			
Autoignition temperature	No data available.			
Decomposition temperature	No data available.			
Viscosity/Kinematic Viscosity	No data available.			
Volatile organic compounds (VOC)	No data available.			
Percent volatile	No data available.			
VOC less H2O & exempt solvents	No data available.			
Molecular weight	No data available.			

Nanoparticles

This material contains 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

Heat.

10.5 Incompatible materials

Strong bases.

10.6 Hazardous decomposition products

Substance

None known.

Condition

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

This product may have a characteristic odour; however, no adverse health effects are anticipated.

Skin contact

Corrosive (skin burns): Signs/symptoms may include localised redness, swelling, itching, intense pain, blistering, ulceration, and tissue destruction.

Eye contact

Corrosive (eye burns): Signs/symptoms may include cloudy appearance of the cornea, chemical burns, severe pain, tearing, ulcerations, significantly impaired vision or complete loss of vision.

Ingestion

Gastrointestinal corrosion: Signs/symptoms may include severe mouth, throat and abdominal pain, nausea, vomiting, and diarrhea; blood in the faeces and/or vomitus may also be seen.

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	Dermal	1	No data available; calculated ATE >5,000 mg/kg
Overall product	Ingestion		No data available; calculated ATE >5,000 mg/kg
Phosphoric Acid	Dermal	Rabbit	LD50 2,740 mg/kg
Phosphoric Acid	Ingestion	Rat	LD50 1,530 mg/kg
Synthetic Amorphous Silica, Fumed, Crystalline Free	Dermal	Rabbit	LD50 > 5,000 mg/kg
Synthetic Amorphous Silica, Fumed, Crystalline Free	Inhalation- Dust/Mist (4 hours)	Rat	LC50 > 0.691 mg/l
Synthetic Amorphous Silica, Fumed, Crystalline Free	Ingestion	Rat	LD50 > 5,110 mg/kg
Polyethylene Glycol	Dermal	Rabbit	LD50 > 20,000 mg/kg
Polyethylene Glycol	Ingestion	Rat	LD50 32,770 mg/kg
Aluminium Oxide	Dermal		LD50 estimated to be > 5,000 mg/kg
Aluminium Oxide	Inhalation- Dust/Mist (4 hours)	Rat	LC50 > 2.3 mg/l
Aluminium Oxide	Ingestion	Rat	LD50 > 5,000 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name		Value
Phosphoric Acid	Rabbit	Corrosive
Synthetic Amorphous Silica, Fumed, Crystalline Free	Rabbit	No significant irritation
Polyethylene Glycol	Rabbit	Minimal irritation
Aluminium Oxide	Rabbit	No significant irritation

Serious Eye Damage/Irritation

Serious Lye Damage/II Ittation		<u> </u>
Name	Species	Value
Phosphoric Acid	official	Corrosive
	classificat	
	ion	
Synthetic Amorphous Silica, Fumed, Crystalline Free	Rabbit	No significant irritation
Polyethylene Glycol	Rabbit	Mild irritant
Aluminium Oxide	Rabbit	No significant irritation

Sensitisation:

Skin Sensitisation

Name	Species	Value
Phosphoric Acid	Human	Not classified
Synthetic Amorphous Silica, Fumed, Crystalline Free	Human	Not classified
	and	
	animal	
Polyethylene Glycol	Guinea	Not classified
	pig	

Respiratory Sensitisation

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

Germ Cell Mutagenicity

3MTM ScotchbondTM Universal Etchant (41263)

Name	Route	Value
Phosphoric Acid	In Vitro	Not mutagenic
Synthetic Amorphous Silica, Fumed, Crystalline Free	In Vitro	Not mutagenic
Polyethylene Glycol	In Vitro	Not mutagenic
Polyethylene Glycol	In vivo	Not mutagenic
Aluminium Oxide	In Vitro	Not mutagenic

Carcinogenicity

Name	Route	Species	Value
Synthetic Amorphous Silica, Fumed, Crystalline Free	Not specified.	Mouse	Some positive data exist, but the data are not sufficient for classification
Polyethylene Glycol	Ingestion	Rat	Not carcinogenic
Aluminium Oxide	Inhalation	Rat	Not carcinogenic

Reproductive Toxicity

Reproductive and/or Developmental Effects

Name	Route	Value	Species	Test result	Exposure Duration
Phosphoric Acid	Ingestion	Not classified for female reproduction	Rat	NOAEL 750 mg/kg/day	2 generation
Phosphoric Acid	Ingestion	Not classified for male reproduction	Rat	NOAEL 750 mg/kg/day	2 generation
Phosphoric Acid	Ingestion	Not classified for development	Rat	NOAEL 750 mg/kg/day	2 generation
Synthetic Amorphous Silica, Fumed, Crystalline Free	Ingestion	Not classified for female reproduction	Rat	NOAEL 509 mg/kg/day	1 generation
Synthetic Amorphous Silica, Fumed, Crystalline Free	Ingestion	Not classified for male reproduction	Rat	NOAEL 497 mg/kg/day	1 generation
Synthetic Amorphous Silica, Fumed, Crystalline Free	Ingestion	Not classified for development	Rat	NOAEL 1,350 mg/kg/day	during organogenesis
Polyethylene Glycol	Ingestion	Not classified for female reproduction	Rat	NOAEL 1,125 mg/kg/day	during gestation
Polyethylene Glycol	Ingestion	Not classified for male reproduction	Rat	NOAEL 5699 +/-1341 mg/kg/day	5 days
Polyethylene Glycol	Not specified.	Not classified for reproduction and/or development		NOEL N/A	
Polyethylene Glycol	Ingestion	Not classified for development	Mouse	NOAEL 562 mg/animal/da	during gestation

Target Organ(s)

Specific Target Organ Toxicity - single exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Phosphoric Acid	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	Human	NOAEL Not available	occupational exposure
Polyethylene Glycol	Inhalation	respiratory irritation	Not classified	Rat	NOAEL 1.008 mg/l	2 weeks

Specific Target Organ Toxicity - repeated exposure

Name Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Synthetic Amorphous Silica, Fumed, Crystalline Free	Inhalation	respiratory system silicosis	Not classified	Human	NOAEL Not available	occupational exposure
Polyethylene Glycol	Inhalation	respiratory system	Not classified	Rat	NOAEL 1.008 mg/l	2 weeks

Polyethylene Glycol	Ingestion	kidney and/or bladder heart endocrine system hematopoietic system liver nervous system	Not classified	Rat	NOAEL 5,640 mg/kg/day	13 weeks
Aluminium Oxide	Inhalation	pneumoconiosis	Some positive data exist, but the data are not sufficient for classification	Human	NOAEL Not available	occupational exposure
Aluminium Oxide	Inhalation	pulmonary fibrosis	Not classified	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.

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

Ecotoxic to terrestrial vertebrates

9.3C Terrestrial vertebrate toxicity

No product test data available.

Material	CAS Number	Organism	Type	Exposure	Test endpoint	Test result
Phosphoric	7664-38-2	Green algae	Experimental	72 hours	EC50	>100 mg/l
Acid						
Phosphoric	7664-38-2	Water flea	Experimental	48 hours	EC50	>100 mg/l
Acid						
Phosphoric	7664-38-2	Green algae	Experimental	72 hours	NOEC	100 mg/l
Acid						
Synthetic	112945-52-5	Green Algae	Experimental	72 hours	EC50	>100 mg/l
Amorphous						
Silica, Fumed,						
Crystalline						
Free						
Synthetic	112945-52-5	Water flea	Experimental	24 hours	EC50	>100 mg/l
Amorphous						
Silica, Fumed,						
Crystalline						
Free						
Synthetic	112945-52-5	Zebra Fish	Experimental	96 hours	LC50	>100 mg/l
Amorphous						
Silica, Fumed,						
Crystalline						
Free						
Synthetic	112945-52-5	Green Algae	Experimental	72 hours	NOEC	60 mg/l
Amorphous]					

Silica, Fumed, Crystalline Free						
Polyethylene Glycol	25322-68-3	Activated sludge	Experimental		EC50	>1,000 mg/l
Polyethylene Glycol	25322-68-3	Atlantic Salmon	Experimental	96 hours	LC50	>1,000 mg/l
Aluminium Oxide	1344-28-1	Fish	Experimental	96 hours	LC50	>100 mg/l
Aluminium Oxide	1344-28-1	Green Algae	Experimental	72 hours	EC50	>100 mg/l
Aluminium Oxide	1344-28-1	Water flea	Experimental	48 hours	LC50	>100 mg/l
Aluminium Oxide	1344-28-1	Green Algae	Experimental	72 hours	NOEC	>100 mg/l

12.2. Persistence and degradability

Material	CAS Number	Test type	Duration	Study Type	Test result	Protocol
Phosphoric	7664-38-2	Data not			N/A	
Acid		availbl-				
		insufficient				
Synthetic	112945-52-5	Data not			N/A	
Amorphous		availbl-				
Silica, Fumed,		insufficient				
Crystalline						
Free						
Polyethylene	25322-68-3	Experimental	28 days	BOD	53 %	OECD 301C - MITI
Glycol		Biodegradation			BOD/ThBOD	test (I)
Aluminium	1344-28-1	Data not			N/A	
Oxide		availbl-				
		insufficient				

12.3 : Bioaccumulative potential

Material	CAS Number	Test type	Duration	Study Type	Test result	Protocol
Phosphoric Acid	7664-38-2	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Synthetic Amorphous Silica, Fumed, Crystalline Free	112945-52-5	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Polyethylene Glycol	25322-68-3	Estimated Bioconcentrati on		Bioaccumulatio n factor	2.3	Estimated: Bioconcentration factor
Aluminium Oxide	1344-28-1	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

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

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.: UN1805

Proper Shipping Name: PHOSPHORIC ACID SOLUTION

Class/Division: 8

Sub Risk: Not applicable. **Packing Group:** III

Special Instructions: Dangerous Goods in Excepted Quantities, Class 8

Hazchem Code: 2R

IERG: 37

International Air Transport Association (IATA) - Air Transport

UN No.: UN1805

Proper Shipping Name: PHOSPHORIC ACID SOLUTION

Class/Division: 8

Sub Risk: Not applicable. **Packing Group:** III

Special Instructions: Dangerous Goods in Excepted Quantities, Class 8

International Maritime Dangerous Goods Code (IMDG) - Marine Transport

UN No.: UN1805

Proper Shipping Name: PHOSPHORIC ACID SOLUTION

Class/Division: 8

Sub Risk: Not applicable. **Packing Group:** III

Marine Pollutant: Not applicable.

Special Instructions: FORBIDDEN BY THIS MODE OF TRANSPORT, 3M DIVISION POLICY

SECTION 15: Regulatory information

HSNO Approval number HSR002555

Group standard name Dental Products (Corrosive) 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

Certified handler Not required

3MTM ScotchbondTM Universal Etchant (41263)

Location Compliance Certificate

Hazardous atmosphere zone

Fire extinguishers

Not required

Not required

Emergency response plan 100 L or 100 kg (for a HSNO 9.1A substance); or 1,000 L or 1,000 kg (for a

HSNO 6.1D, 6.5A, 6.5B, 8.2B, 9.1B or 9.1C substance); or 10,000 L or 10,000

kg (for all other substances)

Secondary containment 100 L or 100 kg (for a HSNO 9.1A substance); or 1,000 L or 1,000 kg (for a

HSNO 6.1D, 6.5A, 6.5B, 8.2B, 9.1B or 9.1C substance); or 10,000 L or 10,000

kg (for all other substances)

Tracking Not required

Warning signage 100 L or 100 kg (for a HSNO 9.1A substance); or 250 L or 250 kg (for a

HSNO 8.2B substance); or 1.000 L or 1,000 kg (for all other substances)

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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