

Safety Data Sheet

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

SECTION 1: Identification

1.1. Product identifier

1930W 3MTM ESPETM ConciseTM Light Cured White Sealant Resin

Product Identification Numbers 70-2010-0284-0

1.2. Recommended use and restrictions on use

Recommended use Dental Product, Tooth sealant

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 number24 hr Medical Emergency, National Poisons Centre, 0800 764 766 (0800 POISON)

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classified as hazardous according to the New Zealand, Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001 as amended.

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

HSNO classification

6.3B Irritating to the skin6.4A Irritating to the eye

6.5B Skin sensitiser

9.1D Aquatic toxicity

2.2. Label elements SIGNAL WORD WARNING!

Symbols:

Exclamation mark |

Pictograms



HAZARD STATEMENTS:	
H320	Causes eye irritation.
H316	Causes mild skin irritation.
H317	May cause an allergic skin reaction.

H402

Harmful to aquatic life.

PRECAUTIONARY STATEMENTS

Prevention: P280E	Wear protective gloves.
Response: P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
Disposal: P501	Dispose of contents/container in accordance with applicable local/regional/national/international regulations.

SECTION 3: Composition/information on ingredients

Ingredient	CAS Nbr	% by Weight
2,2'-Ethylenedioxydiethyl dimethacrylate	109-16-0	45 - 55
(1-methylethylidene)bis[4,1-phenyleneoxy(2-hydroxy-3,1-propanediyl)] bismethacrylate	1565-94-2	40 - 50
2-Propenoic acid, 2-methyl-, 3-(trimetoxysilyl)propyl ester, hydrolysis products with silica	68611-44-9	5 - 10
4-(Dimethylamino) phenethyl alcohol	50438-75-0	< 0.5

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

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

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

If swallowed

Rinse mouth. 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> Carbon monoxide. Carbon dioxide. <u>Condition</u> During combustion. 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.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Contain spill. Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Clean up residue with an appropriate solvent selected by a qualified and authorised person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and Safety Data Sheet. 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: HSNO Controls for more information.

7.1. Precautions for safe handling

A no-touch technique is recommended. If skin contact occurs, wash skin with soap and water. Acrylates may penetrate commonly-used gloves. If product contacts glove, remove and discard glove, wash hands immediately with soap and water and then re-glove. 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. Do not get in eyes.

7.2. Conditions for safe storage including any incompatibilities

No special storage requirements.

7.3. Approved handler test certificate

Not required

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

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

8.2. Exposure controls

8.2.1. Engineering controls

Use in a well-ventilated area.

8.2.2. Personal protective equipment (PPE)

Eye/face protection

Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended:

Safety glasses with side shields.

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

Skin/hand protection

See Section 7.1 for additional information on skin protection.

Respiratory protection

None required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Specific Physical Form: Appearance/Odour Odour threshold Liquid. Viscous. White, slight acrylate odour. *No data available*.

Melting point/Freezing pointNot applicable.Boiling point/Initial boiling point/Boiling rangeNo data available.Flash pointNot applicable.Evaporation rateNot applicable.Flammability (solid, gas)Not applicable.Flammable Limits(LEL)No data available.Flammable Limits(UEL)No data available.Vapour pressureNot applicable.Vapour densityNot applicable.DensityNot applicable.Relative density1.17 [Ref Std:WATER=1]Water solubilityNilSolubility- non-waterNo data available.Partition coefficient: n-octanol/waterNo data available.Autoignition temperatureNo data available.Viscosity700 mPa-sMolecular weightNo data available.Volatile organic compounds (VOC)No data available.Percent volatileNot applicable.VOC less H2O & exempt solventsNo data available.	рН	Not applicable.
Flash pointNot applicable.Evaporation rateNot applicable.Flammability (solid, gas)Not applicable.Flammable Limits(LEL)No data available.Flammable Limits(UEL)No data available.Vapour pressureNot applicable.Vapour densityNot applicable.DensityNot applicable.Relative density1.17 [Ref Std:WATER=1]Water solubilityNilSolubility- non-waterNo data available.Partition coefficient: n-octanol/waterNo data available.Autoignition temperatureNo data available.Decomposition temperatureNo data available.Viscosity700 mPa-sMolecular weightNo data available.Volatile organic compounds (VOC)No data available.Percent volatileNot applicable.	Melting point/Freezing point	Not applicable.
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Autoignition temperatureNo data available.Decomposition temperatureNo data available.Viscosity700 mPa-sMolecular weightNo data available.Volatile organic compounds (VOC)No data available.Percent volatileNot applicable.	Solubility- non-water	No data available.
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Molecular weightNo data available.Volatile organic compounds (VOC)No data available.Percent volatileNot applicable.	Decomposition temperature	No data available.
Volatile organic compounds (VOC)No data available.Percent volatileNot applicable.	Viscosity	700 mPa-s
Percent volatile Not applicable.	Molecular weight	No data available.
	Volatile organic compounds (VOC)	No data available.
VOC less H2O & exempt solvents No data available.	Percent volatile	Not applicable.
· · · · · · · · · · · · · · · · · · ·	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 Possibility of hazardous reactions

Hazardous polymerisation will not occur.

10.4 Conditions to avoid

Light.

10.5 Incompatible materials Not determined

10.6 Hazardous decomposition products

<u>Substance</u>

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

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

Eye contact

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

Ingestion

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

Additional Health Effects:

Carcinogenicity:

Exposures needed to cause the following health effect(s) are not expected during normal, intended use: Contains a chemical or chemicals which can cause cancer.

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		No data available; calculated ATE >5,000 mg/kg
Overall product	Ingestion		No data available; calculated ATE >5,000 mg/kg
2,2'-Ethylenedioxydiethyl dimethacrylate	Dermal	Professio nal judgeme nt	LD50 estimated to be > 5,000 mg/kg
2,2'-Ethylenedioxydiethyl dimethacrylate	Ingestion	Rat	LD50 10,837 mg/kg
(1-methylethylidene)bis[4,1-phenyleneoxy(2-hydroxy-3,1- propanediyl)] bismethacrylate	Ingestion		LD50 estimated to be 2,000 - 5,000 mg/kg
(1-methylethylidene)bis[4,1-phenyleneoxy(2-hydroxy-3,1- propanediyl)] bismethacrylate	Dermal	Professio nal judgeme nt	LD50 estimated to be 2,000 - 5,000 mg/kg
2-Propenoic acid, 2-methyl-, 3-(trimetoxysilyl)propyl ester, hydrolysis products with silica	Dermal	Rabbit	LD50 > 5,000 mg/kg
2-Propenoic acid, 2-methyl-, 3-(trimetoxysilyl)propyl ester, hydrolysis products with silica	Inhalation- Dust/Mist (4 hours)	Rat	LC50 > 0.691 mg/l
2-Propenoic acid, 2-methyl-, 3-(trimetoxysilyl)propyl ester, hydrolysis products with silica	Ingestion	Rat	LD50 > 5,110 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value

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2,2'-Ethylenedioxydiethyl dimethacrylate	Guinea	Mild irritant
	pig	
(1-methylethylidene)bis[4,1-phenyleneoxy(2-hydroxy-3,1-propanediyl)]	Not	Minimal irritation
bismethacrylate	available	
2-Propenoic acid, 2-methyl-, 3-(trimetoxysilyl)propyl ester, hydrolysis products	Rabbit	No significant irritation
with silica		_

Serious Eye Damage/Irritation

Name	Species	Value
2,2'-Ethylenedioxydiethyl dimethacrylate	Professio	Moderate irritant
	nal	
	judgemen	
	t	
(1-methylethylidene)bis[4,1-phenyleneoxy(2-hydroxy-3,1-propanediyl)]	Not	Moderate irritant
bismethacrylate	available	
2-Propenoic acid, 2-methyl-, 3-(trimetoxysilyl)propyl ester, hydrolysis products	Rabbit	No significant irritation
with silica		

Skin Sensitisation

Name	Species	Value
2,2'-Ethylenedioxydiethyl dimethacrylate	Human	Sensitising
	and	
	animal	
(1-methylethylidene)bis[4,1-phenyleneoxy(2-hydroxy-3,1-propanediyl)]	Guinea	Sensitising
bismethacrylate	pig	
2-Propenoic acid, 2-methyl-, 3-(trimetoxysilyl)propyl ester, hydrolysis products	Human	Not classified
with silica	and	
	animal	

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
2,2'-Ethylenedioxydiethyl dimethacrylate	In Vitro	Some positive data exist, but the data are not sufficient for classification
(1-methylethylidene)bis[4,1-phenyleneoxy(2-hydroxy-3,1-propanediyl)] bismethacrylate	In Vitro	Some positive data exist, but the data are not sufficient for classification
2-Propenoic acid, 2-methyl-, 3-(trimetoxysilyl)propyl ester, hydrolysis products with silica	In Vitro	Not mutagenic

Carcinogenicity

Name	Route	Species	Value
2,2'-Ethylenedioxydiethyl dimethacrylate	Dermal	Mouse	Not carcinogenic
2-Propenoic acid, 2-methyl-, 3-(trimetoxysilyl)propyl ester,	Not	Mouse	Some positive data exist, but the data are not
hydrolysis products with silica	specified.		sufficient for classification

Reproductive Toxicity

Reproductive and/or Developmental Effects

Name	Route	Value	Species	Test result	Exposure
					Duration
2,2'-Ethylenedioxydiethyl dimethacrylate	Ingestion	Not classified for female reproduction	Mouse	NOAEL 1	1 generation
	_	_		mg/kg/day	-
2,2'-Ethylenedioxydiethyl dimethacrylate	Ingestion	Not classified for male reproduction	Mouse	NOAEL 1	1 generation
	_	-		mg/kg/day	-
2,2'-Ethylenedioxydiethyl dimethacrylate	Ingestion	Not classified for development	Mouse	NOAEL 1	1 generation
	-			mg/kg/day	
(1-methylethylidene)bis[4,1-	Ingestion	Not classified for female reproduction	Mouse	NOAEL 0.8	premating &

1930W 3M[™] ESPE[™] Concise[™] Light Cured White Sealant Resin

phenyleneoxy(2-hydroxy-3,1-propanediyl)] bismethacrylate				mg/kg/day	during gestation
(1-methylethylidene)bis[4,1- phenyleneoxy(2-hydroxy-3,1-propanediyl)] bismethacrylate	Ingestion	Not classified for male reproduction	Mouse	NOAEL 0.8 mg/kg/day	premating & during gestation
(1-methylethylidene)bis[4,1- phenyleneoxy(2-hydroxy-3,1-propanediyl)] bismethacrylate	Ingestion	Not classified for development	Mouse	NOAEL 0.8 mg/kg/day	premating & during gestation
2-Propenoic acid, 2-methyl-, 3- (trimetoxysilyl)propyl ester, hydrolysis products with silica	Ingestion	Not classified for female reproduction	Rat	NOAEL 509 mg/kg/day	1 generation
2-Propenoic acid, 2-methyl-, 3- (trimetoxysilyl)propyl ester, hydrolysis products with silica	Ingestion	Not classified for male reproduction	Rat	NOAEL 497 mg/kg/day	1 generation
2-Propenoic acid, 2-methyl-, 3- (trimetoxysilyl)propyl ester, hydrolysis products with silica	Ingestion	Not classified for development	Rat	NOAEL 1,350 mg/kg/day	during organogenesis

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.

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
2,2'-Ethylenedioxydiethyl dimethacrylate	Dermal	kidney and/or bladder blood	Not classified	Mouse	NOAEL 833 mg/kg/day	78 weeks
(1- methylethylidene)bis[4,1- phenyleneoxy(2-hydroxy- 3,1-propanediyl)] bismethacrylate	Ingestion	endocrine system liver nervous system kidney and/or bladder	Not classified	Mouse	NOAEL 0.8 mg/kg/day	premating & during gestation
2-Propenoic acid, 2- methyl-, 3- (trimetoxysilyl)propyl ester, hydrolysis products with silica	Inhalation	respiratory system silicosis	Not classified	Human	NOAEL Not available	occupational exposure

Specific Target Organ Toxicity - repeated 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. ToxicityEcotoxic to the aquatic environment.9.1D Aquatic toxicity

No product test data available.

MaterialCAS NumberOrganismTypeExposureTest endpointTest result
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2,2'-	109-16-0	Zebra Fish	Experimental	96 hours	LC50	16.4 mg/l
Ethylenedioxyd			1			C C
iethyl						
dimethacrylate						
2,2'-	109-16-0	Green Algae	Experimental	72 hours	EC50	>100 mg/l
Ethylenedioxyd						
iethyl						
dimethacrylate						
2,2'-	109-16-0	Green algae	Experimental	72 hours	NOEC	18.6 mg/l
Ethylenedioxyd			-			_
iethyl						
dimethacrylate						
2,2'-	109-16-0	Water flea	Experimental	21 days	NOEC	32 mg/l
Ethylenedioxyd						
iethyl						
dimethacrylate						
(1-	1565-94-2		Data not			
methylethylide			available or			
ne)bis[4,1-			insufficient for			
phenyleneoxy(classification			
2-hydroxy-3,1-						
propanediyl)]						
bismethacrylate						
2-Propenoic	68611-44-9		Data not			
acid, 2-methyl-,			available or			
3-			insufficient for			
(trimetoxysilyl)			classification			
propyl ester,						
hydrolysis						
products with						
silica						
4-	50438-75-0		Data not			
(Dimethylamin			available or			
o) phenethyl			insufficient for			
alcohol			classification			

12.2. Persistence and degradability

Material	CAS Number	Test type	Duration	Study Type	Test result	Protocol
2,2'-	109-16-0	Experimental	28 days	CO2 evolution	85 % weight	OECD 301B - Modified
Ethylenedioxyd		Biodegradation				sturm or CO2
iethyl						
dimethacrylate						
(1-	1565-94-2	Estimated	28 days	BOD	32 % weight	OECD 301C - MITI
methylethylide		Biodegradation				test (I)
ne)bis[4,1-						
phenyleneoxy(
2-hydroxy-3,1-						
propanediyl)]						
bismethacrylate						
2-Propenoic	68611-44-9	Data not			n/a	
acid, 2-methyl-,		availbl-				
3-		insufficient				
(trimetoxysilyl)						
propyl ester,						

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hydrolysis						
products with						
silica						
4-	50438-75-0	Estimated	28 days	BOD	7 % weight	OECD 301C - MITI
(Dimethylamin		Biodegradation	-		-	test (I)
o) phenethyl		_				
alcohol						

12.3 : Bioaccumulative potential

Material	CAS Number	Test type	Duration	Study Type	Test result	Protocol
2,2'-	109-16-0	Experimental		Log Kow	2.3	Other methods
Ethylenedioxyd		Bioconcentrati				
iethyl		on				
dimethacrylate						
(1-	1565-94-2	Estimated		Bioaccumulatio	5.8	Estimated:
methylethylide		Bioconcentrati		n factor		Bioconcentration factor
ne)bis[4,1-		on				
phenyleneoxy(
2-hydroxy-3,1-						
propanediyl)]						
bismethacrylate						
2-Propenoic	68611-44-9	Data not	N/A	N/A	N/A	N/A
acid, 2-methyl-,		available or				
3-		insufficient for				
(trimetoxysilyl)		classification				
propyl ester,						
hydrolysis						
products with						
silica						
4-	50438-75-0	Estimated		Bioaccumulatio	3.6	Estimated:
(Dimethylamin		Bioconcentrati		n factor		Bioconcentration factor
o) phenethyl		on				
alcohol						

12.4. Mobility in soil

Please contact manufacturer for more details

12.5 Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Disposal methods

See Section 11.1 Information on toxicological effects

Dispose of waste product in a permitted industrial waste facility. As a disposal alternative, incinerate in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes.

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

1930W 3MTM ESPETM ConciseTM Light Cured White Sealant Resin

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

UN No.: Not applicable. Proper Shipping Name: Not applicable. Class/Division: Not applicable. Sub Risk: Not applicable. Packing Group: Not applicable.

Hazchem Code: Not applicable. IERG: Not applicable.

International Air Transport Association (IATA) - Air Transport

UN No.: Not applicable. Proper Shipping Name: Not applicable. Class/Division: Not applicable. Sub Risk: Not applicable. Packing Group: Not applicable.

International Maritime Dangerous Goods Code (IMDG) - Marine Transport UN No.: Not applicable. Proper Shipping Name: Not applicable. Class/Division: Not applicable. Sub Risk: Not applicable. Packing Group: Not applicable. Marine Pollutant: Not applicable.

SECTION 15: Regulatory information

HSNO Approval numberHSR002558Group standard nameDental Products (Subsidiary Hazard) Group Standard 2006HSNO Hazard classificationRefer 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.

Approved handler test certificate	Not required
Location and transit Depot certification test	1
Hazardous atmosphere zone	Not required
Fire extinguishers	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, 9.1B or 9.1C substance); or 10,000 L or 10,000 kg
	(for a HSNO 6.6A, 6.8A, 6.9A, 8.3A, 9.1D substance)
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, 9.1B or 9.1C substance); or 10,000 L or 10,000 kg
	(for a HSNO 6.6A, 6.8A, 6.9A, 8.3A, 9.1D substance)
Tracking	Not required
Warning signage	100 L or 100 kg (for a HSNO 9.1A substance); or 1,000 L or 1,000 kg (for a
	HSNO 8.3A, 9.1B or 9.1C substance); or 10,000 L or 10,000 kg (for a HSNO
	6.1D or 9.1D substance)

SECTION 16: Other information

Revision information:

No revision information is available. China Section 1.2 Restrictions on use information was added. Section 1: Product identification numbers information was modified. Section 1: Product name information was modified. Section 1: Product use information information was deleted. US Section 01 Product Use - Recommended Use information was added. Section 2: Classification statements information was modified. Label: Graphic information was added. Label: Symbol information was added. Section 2: NZ Classification statements (Transportation) information was modified. HSNO Classification. information was added. Environmental Hazard Statements information was added. Section 2: NZ Pictograms information was added. Section 2: NZ Precautionary Statements - Prevention information was modified. Section 2: NZ Precautionary Statements - Response information was modified. Section 2: NZ Symbols information was added. Section 5: 5.3. Advice for fire-fighters information was deleted. Section 5: Fire - Advice for fire fighters information information was modified. Section 5: Fire - Extinguishing media information information was modified. Section 6: Accidental release clean-up information information was modified. Section 6: Accidental release personal information information was modified. Section 7: Conditions safe storage information was modified. Section 7: Precautions safe handling information information was modified. Section 7: Refer to Section 15 - HSNO control statement information was modified. Section 8: Appropriate Engineering controls information information was added. Section 8: Eve protection standard information information was added. Section 8: Eye/face protection text information was deleted. Section 8: Personal Protection - Eye information information was added. Section 8: Personal Protection - Skin/hand information information was modified. Section 09: Boiling point/Initial boiling point/Boiling range information was added. Section 09: Decomposition Temperature information was added. Section 09: Melting point/Freezing point information was added. Section 9: Boiling point information information was deleted. Section 9: Explosive properties information information was deleted. Section 9: Flammability (solid, gas) information information was added. Section 9: Flammability (solid, gas) information information was deleted. Section 9: Melting point information information was deleted. Section 9: Odour Threshold information was added. Section 9: Oxidising properties information information was deleted. Section 9: Property description for optional properties information was modified. Section 9: Solubility (non-water) information was added. Section 9: Viscosity information information was modified. Section 10: Hazardous decomposition products during combustion text information was added. Section 11: Acute Toxicity table information was modified. Section 11: Aspiration Hazard Table information was deleted. Section 11: Aspiration Hazard text information was added. Section 11: Cancer Hazards information information was added. Section 11: Carcinogenicity Table information was modified. Section 11: Disclosed components not in tables text information was added. Section 11: Germ Cell Mutagenicity Table information was modified. Section 11: Health Effects - Inhalation information information was modified. Section 11: Health Effects - Skin information information was modified. Section 11: Reproductive and/or Developmental Effects text information was added. Section 11: Reproductive Toxicity Table information was modified. Section 11: Respiratory Sensitization Table information was deleted. Section 11: Respiratory Sensitization text information was added.

Section 11: Serious Eye Damage/Irritation Table information was modified. Section 11: Skin Corrosion/Irritation Table information was modified. Section 11: Skin Sensitization Table information was modified. Section 11: Specific Target Organ Toxicity - single exposure text information was added. Section 11: Target Organs - Repeated Table information was modified. Section 11: Target Organs - Single Table information was deleted. Section 12: Component ecotoxicity information information was added. Section 12: Ecotoxic to aquatic environment information was added. Prints No Data if Bioccumulative potential information is not present information was deleted. Prints No Data if Component ecotoxicity information is not present information was deleted. Prints No Data if Persistence and Degradability information is not present information was deleted. Section 12: NZ Environmental aquatic information information was added. Section 12: Persistence and Degradability information information was added. Section 12:Bioccumulative potential information information was added. Section 13: 13.1. Waste disposal note information was modified. Section 13: Standard Phrase Category Waste GHS information was modified. Section 14: Class/Div Group 2 information was added. Section 14: IERG Group 1 information was added. Section 14: IERG Group 2 information was added. Section 14: Marine Pollutant Technical Name information was added. Section 14: Packing Group Group 1 information was added. Section 14: Packing Group Group 2 information was added. Section 14: Special Instructions ADG Group 1 information was added. Section 14: Special Instructions Group 2 information was added. Section 14: Special Instructions IATA Group 1 information was added. Section 14: Special Instructions IATA Group 2 information was added. Section 14: Special Instructions IMDG Group 1 information was added. Section 14: Special Instructions IMDG Group 2 information was added. Section 14: Transport Class/Div Group 1 information was added. Section 14: Transportation information information was deleted. Section 14: Transportation Sub Risk Group 1 information was added. Section 14: Transportation Sub Risk Group 2 information was added. Section 14: UN Number IATA Group 1 information was added. Section 14: UN Number IATA Group 2 information was added. Section 14: UN Number information was added. Section 14: UN Proper Shipping Name Group 1 information was added. Section 14: UN Proper Shipping Name Group 2 information was added. Section 14: UN Proper Shipping Name IATA Group 1 information was added. Section 14: UN Proper Shipping Name IATA Group 2 information was added. Section 15: NZ Inventories information information was added. Section 16: NZ reason for reissue information was added.

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