



## Safety Data Sheet

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

### SECTION 1: Identification

#### 1.1. Product identifier

3M™ Avagard™ D Instant Hand Antiseptic with Moisturizers

#### Product Identification Numbers

70-2007-2261-2      70-2007-2262-0      AH-0106-1193-9      AH-0106-1194-7

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

##### Recommended use

Hand sanitizer.

#### 1.3. Supplier's details

**Address:** 3M New Zealand Ltd, 94 Apollo Drive, Rosedale 0632, Auckland

**Telephone:** (09) 477 4040

**E Mail:** innovation@nz.mmm.com

**Website:** 3m.co.nz

#### 1.4. Emergency telephone number

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

### SECTION 2: Hazard identification

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

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

Classified as a Dangerous Good according to; New Zealand, Land Transport Rule: Dangerous Goods 2005 (Rule 45001/1) as amended, NZS 5433:2012 Transport of Dangerous Goods on Land, UN Model Regulations on the Transport of Dangerous Goods, International Maritime Dangerous Goods Code and IATA Dangerous Goods Regulations.

#### HSNO classification

3.1B Flammable liquid

6.4A Irritating to the eye

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9.1D Aquatic toxicity

9.4C Terrestrial invertebrate toxicity

### 2.2. Label elements

#### SIGNAL WORD

DANGER!

#### Symbols:

Flame | Exclamation mark |

#### Pictograms



#### HAZARD STATEMENTS:

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H402 Harmful to aquatic life.

H443 Harmful to terrestrial invertebrates.

#### PRECAUTIONARY STATEMENTS

##### General:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

##### Prevention:

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P273 Avoid release to the environment.

##### Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P370 + P378G In case of fire: Use a fire fighting agent suitable for flammable liquids such as dry chemical or carbon dioxide to extinguish.

##### Disposal:

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

### 2.3. Other hazards

May cause drowsiness or dizziness.

## SECTION 3: Composition/information on ingredients

Ingredient	CAS Nbr	% by Weight
Ethyl alcohol w/w	64-17-5	50 - 70
Water	7732-18-5	25 - 35
Ethylene glycol polymer	25322-68-3	< 3
Alcohols.	26636-40-8	< 2
Docosyl alcohol	661-19-8	< 2

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Fatty acids	103213-20-3	< 2
Squalane	111-01-3	< 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

No need for first aid is anticipated.

#### Eye contact

Immediately flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. 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 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

#### Substance

Carbon monoxide.

Carbon dioxide.

#### Condition

During combustion.

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.

## 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.

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### 6.2. Environmental precautions

Avoid release to the environment. For larger spills, cover drains and build dykes to prevent entry into sewer systems or bodies of water.

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

Contain spill. Cover spill area with a fire-extinguishing foam designed for use on solvents, such as alcohols and acetone, that can dissolve in water. An AR-AFFF type foam is recommended. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. 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: HSNO Controls for more information.

### 7.1. Precautions for safe handling

Avoid eye contact. Keep out of reach of children. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. 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. Avoid release to the environment. Avoid contact with oxidising agents (eg. chlorine, chromic acid etc.) Wear low static or properly grounded shoes. To minimize the risk of ignition, determine applicable electrical classifications for the process using this product and select specific local exhaust ventilation equipment to avoid flammable vapor accumulation. Ground/bond container and receiving equipment if there is potential for static electricity accumulation during transfer.

### 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. Approved handler test certificate

Class 3, when present in quantities greater than 250 L (when in containers greater than 5 L) or 500 L (when in containers up to and including 5 L)

## 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
Ethylene glycol polymer	25322-68-3	AIHA	TWA(as particulate):10 mg/m <sup>3</sup>	
Ethyl alcohol w/w	64-17-5	ACGIH	STEL:1000 ppm	A3: Confirmed animal carcinogen.
Ethyl alcohol w/w	64-17-5	New Zealand WES	TWA(8 hours):1880 mg/m <sup>3</sup> (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/m<sup>3</sup>: milligrams per cubic metre

CEIL: Ceiling

## 8.2. Exposure controls

### 8.2.1. Engineering controls

Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapours/spray. If ventilation is not adequate, use respiratory protection equipment. Use explosion-proof ventilation equipment.

### 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: Under normal use conditions, eye exposure is not expected to be significant enough to require eye protection.

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

No protective gloves required.

#### Respiratory protection

Under normal use conditions, airborne exposures are not expected to be significant enough to require respiratory protection. An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:

Half facepiece or full facepiece air-purifying respirator suitable for organic vapors and particulates

For questions about suitability for a specific application, consult with your respirator manufacturer.

Refer AS/NZS 1715 - Selection, use and maintenance of respiratory protective equipment and AS/NZS 1716 - Respiratory protective devices.

## SECTION 9: Physical and chemical properties

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

Physical state	Liquid.
Appearance/Odour	White viscous liquid with slight alcohol odour.
Odour threshold	<i>No data available.</i>
pH	6
Melting point/Freezing point	<i>Not applicable.</i>
Boiling point/Initial boiling point/Boiling range	77.8 °C
Flash point	21 °C
Evaporation rate	1.4 [Ref Std:BUOAC=1]
Flammability (solid, gas)	Not applicable.
Flammable Limits(LEL)	3.28 % volume
Flammable Limits(UEL)	19 % volume
Vapour pressure	6,666.1 Pa [ @ 20 °C ] [Details:MITS data]
Vapour density	1.6 [Ref Std:AIR=1]
Relative density	0.83 [Ref Std:WATER=1]
Water solubility	Moderate

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Solubility- non-water	<i>No data available.</i>
Partition coefficient: n-octanol/water	<i>No data available.</i>
Autoignition temperature	798.9 °C
Decomposition temperature	<i>No data available.</i>
Viscosity	50,000 - 250,000 mPa-s
Volatile organic compounds (VOC)	496 g/l
Percent volatile	90 % weight
VOC less H2O & exempt solvents	630 g/l

## 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.  
Sparks and/or flames.

### 10.5 Incompatible materials

Strong oxidising agents.

### 10.6 Hazardous decomposition products

<u>Substance</u>	<u>Condition</u>
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. May cause additional health effects (see below).

#### Skin contact

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

### Eye contact

Severe eye irritation: Signs/symptoms may include significant redness, swelling, pain, tearing, cloudy appearance of the cornea, and impaired vision.

### Ingestion

May cause additional health effects (see below).

### Additional Health Effects:

#### Single exposure may cause target organ effects:

Central nervous system (CNS) depression: Signs/symptoms may include headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness.

#### 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	Ingestion		No data available; calculated ATE >5,000 mg/kg
Ethyl alcohol w/w	Dermal	Rabbit	LD50 > 15,800 mg/kg
Ethyl alcohol w/w	Inhalation-Vapor (4 hours)	Rat	LC50 124.7 mg/l
Ethyl alcohol w/w	Ingestion	Rat	LD50 17,800 mg/kg
Alcohols.	Dermal	Professional judgment	LD50 estimated to be 2,000 - 5,000 mg/kg
Alcohols.	Ingestion	similar compounds	LD50 estimated to be 2,000 - 5,000 mg/kg
Ethylene glycol polymer	Dermal	Rabbit	LD50 > 20,000 mg/kg
Ethylene glycol polymer	Ingestion	Rat	LD50 32,770 mg/kg
Docosyl alcohol	Dermal	Professional judgment	LD50 estimated to be > 5,000 mg/kg
Docosyl alcohol	Ingestion	Rat	LD50 > 2,000 mg/kg
Fatty acids	Dermal	Professional judgment	LD50 estimated to be > 5,000 mg/kg
Squalane	Dermal	Professional judgment	LD50 estimated to be > 5,000 mg/kg
Fatty acids	Ingestion	Rat	LD50 > 5,000 mg/kg
Squalane	Ingestion	Rat	LD50 > 2,000 mg/kg

ATE = acute toxicity estimate

### Skin Corrosion/Irritation

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Name	Species	Value
Overall product	Rat	No significant irritation
Ethyl alcohol w/w	Rabbit	No significant irritation
Ethylene glycol polymer	Rabbit	Minimal irritation
Fatty acids	Rabbit	No significant irritation

### Serious Eye Damage/Irritation

Name	Species	Value
Ethyl alcohol w/w	Rabbit	Severe irritant
Ethylene glycol polymer	Rabbit	Mild irritant
Fatty acids	Rabbit	No significant irritation

### Skin Sensitisation

Name	Species	Value
Ethyl alcohol w/w	Human	Not classified
Ethylene glycol polymer	Guinea pig	Not classified

### 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
Ethyl alcohol w/w	In Vitro	Some positive data exist, but the data are not sufficient for classification
Ethyl alcohol w/w	In vivo	Some positive data exist, but the data are not sufficient for classification
Ethylene glycol polymer	In Vitro	Not mutagenic
Ethylene glycol polymer	In vivo	Not mutagenic

### Carcinogenicity

Name	Route	Species	Value
Ethyl alcohol w/w	Ingestion	Multiple animal species	Some positive data exist, but the data are not sufficient for classification
Ethylene glycol polymer	Ingestion	Rat	Not carcinogenic

### Reproductive Toxicity

#### Reproductive and/or Developmental Effects

Name	Route	Value	Species	Test result	Exposure Duration
Overall product	Dermal	Not classified for female reproduction	Rat	NOAEL 0.3 mL	during gestation
Overall product	Dermal	Not classified for male reproduction	Rat	NOAEL 0.15 mL	93 days
Overall product	Dermal	Not classified for development	Rat	NOAEL 0.3 mL	during gestation
Ethyl alcohol w/w	Inhalation	Not classified for development	Rat	NOAEL 38 mg/l	during gestation
Ethyl alcohol w/w	Ingestion	Not classified for development	Rat	NOAEL 5,200 mg/kg/day	prematuring & during gestation
Ethylene glycol polymer	Ingestion	Not classified for female reproduction	Rat	NOAEL 1,125 mg/kg/day	during gestation
Ethylene glycol polymer	Ingestion	Not classified for male reproduction	Rat	NOAEL 5699	5 days



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				+/-1341 mg/kg/day	
Ethylene glycol polymer	Not specified.	Not classified for reproduction and/or development		NOEL N/A	
Ethylene glycol polymer	Ingestion	Not classified for development	Mouse	NOAEL 562 mg/animal/day	during gestation

**Target Organ(s)**

**Specific Target Organ Toxicity - single exposure**

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Ethyl alcohol w/w	Inhalation	central nervous system depression	May cause drowsiness or dizziness	Human	LOAEL 2.6 mg/l	30 minutes
Ethyl alcohol w/w	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	Human	LOAEL 9.4 mg/l	not available
Ethyl alcohol w/w	Ingestion	central nervous system depression	May cause drowsiness or dizziness	Multiple animal species	NOAEL not available	
Ethyl alcohol w/w	Ingestion	kidney and/or bladder	Not classified	Dog	NOAEL 3,000 mg/kg	
Ethylene glycol polymer	Inhalation	respiratory irritation	Not classified	Rat	NOAEL 1.008 mg/l	2 weeks

**Specific Target Organ Toxicity - repeated exposure**

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Overall product	Dermal	heart   endocrine system   gastrointestinal tract   bone, teeth, nails, and/or hair   bone marrow   hematopoietic system   liver   immune system   muscles   nervous system   eyes   kidney and/or bladder   respiratory system   vascular system	Not classified	Rat	NOAEL 0.15 mL	93 days
Ethyl alcohol w/w	Inhalation	liver	Some positive data exist, but the data are not sufficient for classification	Rabbit	LOAEL 124 mg/l	365 days
Ethyl alcohol w/w	Inhalation	hematopoietic system   immune system	Not classified	Rat	NOAEL 25 mg/l	14 days
Ethyl alcohol w/w	Ingestion	liver	Some positive data exist, but the data are not sufficient for classification	Rat	LOAEL 8,000 mg/kg/day	4 months
Ethyl alcohol w/w	Ingestion	kidney and/or bladder	Not classified	Dog	NOAEL 3,000 mg/kg/day	7 days
Ethylene glycol polymer	Inhalation	respiratory system	Not classified	Rat	NOAEL 1.008 mg/l	2 weeks
Ethylene glycol polymer	Ingestion	kidney and/or bladder   heart   endocrine system   hematopoietic system   liver   nervous system	Not classified	Rat	NOAEL 5,640 mg/kg/day	13 weeks

**Aspiration Hazard**

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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.**

## 9.1D Aquatic toxicity

**Ecotoxic to terrestrial invertebrates**

## 9.4C Terrestrial invertebrate toxicity

No product test data available.

Material	CAS Number	Organism	Type	Exposure	Test endpoint	Test result
Ethyl alcohol w/w	64-17-5	Rainbow trout	Experimental	96 hours	LC50	42 mg/l
Ethyl alcohol w/w	64-17-5	Water flea	Experimental	48 hours	LC50	5,012 mg/l
Ethyl alcohol w/w	64-17-5	Water flea	Experimental	10 days	NOEC	9.6 mg/l
Ethyl alcohol w/w	64-17-5	Algae other	Experimental	96 hours	NOEC	1,580 mg/l
Ethylene glycol polymer	25322-68-3	Atlantic Salmon	Experimental	96 hours	LC50	>1,000 mg/l
Alcohols.	26636-40-8		Data not available or insufficient for classification			
Docosyl alcohol	661-19-8	Rainbow trout	Experimental	96 hours	LC50	>100 mg/l
Fatty acids	103213-20-3	Common Carp	Experimental	96 hours	LC50	>100 mg/l
Squalane	111-01-3	Zebra Fish	Experimental	96 hours	LC50	>100 mg/l
Squalane	111-01-3	Water flea	Experimental	48 hours	LC50	>100 mg/l
Squalane	111-01-3	Green Algae	Experimental	72 hours	EC50	>100 mg/l
Squalane	111-01-3	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
Ethyl alcohol w/w	64-17-5	Experimental Biodegradation	14 days	BOD	89 % BOD/ThBOD	OECD 301C - MITI test (I)
Ethylene glycol polymer	25322-68-3	Experimental Biodegradation	28 days	BOD	53 % BOD/ThBOD	OECD 301C - MITI test (I)
Alcohols.	26636-40-8	Data not availbl-			N/A	

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		insufficient				
Docosyl alcohol	661-19-8	Experimental Biodegradation	28 days	BOD	37 % weight	OECD 301B - Modified sturm or CO2
Fatty acids	103213-20-3	Experimental Biodegradation	28 days	CO2 evolution	5.5 % weight	OECD 301B - Modified sturm or CO2
Squalane	111-01-3	Experimental Biodegradation	28 days	CO2 evolution	77 % weight	OECD 301B - Modified sturm or CO2

**12.3 : Bioaccumulative potential**

Material	CAS Number	Test type	Duration	Study Type	Test result	Protocol
Ethyl alcohol w/w	64-17-5	Experimental Bioconcentration		Log Kow	-0.35	Other methods
Ethylene glycol polymer	25322-68-3	Estimated Bioconcentration		Bioaccumulation factor	2.3	Estimated: Bioconcentration factor
Alcohols.	26636-40-8	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Docosyl alcohol	661-19-8	Estimated Bioconcentration		Bioaccumulation factor	10	Other methods
Fatty acids	103213-20-3	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Squalane	111-01-3	Estimated Bioconcentration		Bioaccumulation factor	7.4	Estimated: Bioconcentration factor

**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

Incinerate in a permitted waste incineration facility. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

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**

## 3M™ Avagard™ D Instant Hand Antiseptic with Moisturizers

**UN No.:** UN1170  
**Proper Shipping Name:** ETHANOL SOLUTION  
**Class/Division:** 3  
**Sub Risk:** Not applicable.  
**Packing Group:** II  
**Special Instructions:** Limited quantity may apply  
**Hazchem Code:** 3YE  
**IERG:** 14

### International Air Transport Association (IATA) - Air Transport

**UN No.:** UN1170  
**Proper Shipping Name:** ETHANOL SOLUTION  
**Class/Division:** 3  
**Sub Risk:** Not applicable.  
**Packing Group:** II  
**Special Instructions:** Forbidden packaging does not meet requirements for this mode of transport

### International Maritime Dangerous Goods Code (IMDG) - Marine Transport

**UN No.:** UN1170  
**Proper Shipping Name:** ETHANOL SOLUTION  
**Class/Division:** 3  
**Sub Risk:** Not applicable.  
**Packing Group:** II  
**Marine Pollutant:** Not applicable.  
**Special Instructions:** Limited quantity may apply

## SECTION 15: Regulatory information

HSNO Approval number      HSR002552  
Group standard name        Cosmetic Products Group Standard 2006  
HSNO Hazard classification   Refer to Section 2: Hazard identification

### NZ Inventory of Chemicals (NZIoC) Status

All applicable chemical ingredients in this material are in compliance with NZIoC listing requirements.

### HSNO Controls

Approved handler test certificate	Class 3, when present in quantities greater than 250 L (when in containers greater than 5 L) or 500 L (when in containers up to and including 5 L)
Location and transit Depot certification test	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 HSNO 3.1B substances)
Secondary containment	100 L (for a HSNO 9.1A substance); or 1,000 L (for all other HSNO 3.1B substances)
Tracking	Not required
Warning signage	100 L (for a HSNO 9.1A substance); or 250 L (for all other HSNO 3.1B substances)

## SECTION 16: Other information

### Revision information:

No revision information is available.

Section 1: Product identification numbers information was modified.  
US Section 01 Product Use - Recommended Use information was added.  
Section 2: NZ Classification statements (Transportation) information was modified.  
Section 2: NZ Health Hazard Statements information was modified.  
Section 2: NZ Pictograms information was modified.  
Section 2: NZ Precautionary Statements - Prevention information was modified.  
Section 2: NZ Precautionary Statements - Storage information was deleted.  
Section 2: NZ Symbols information was added.  
Section 4: First aid for eye contact information information was modified.  
Section 6: Accidental release clean-up information information was modified.  
Section 7: Precautions safe handling information information was modified.  
Section 9: Vapour pressure value information was added.  
Section 11: Health Effects - Eye information information was modified.  
Section 11: Reproductive Toxicity Table information was modified.  
Section 11: Serious Eye Damage/Irritation Table information was modified.  
Section 11: Skin Sensitization Table information was modified.  
Section 11: Target Organs - Repeated Table information was modified.  
Section 11: Target Organs - Single Table information was modified.  
Section 12: Component ecotoxicity information information was modified.  
Section 12: Persistence and Degradability information information was modified.  
Section 12: Biocumulative potential information information was modified.  
Section 13: Standard Phrase Category Waste GHS information was modified.  
Section 14: Packing Group Group 1 information was modified.  
Section 14: Special Instructions ADG Group 1 information was added.  
Section 14: Special Instructions ADG Group 1 information was deleted.  
Section 14: Special Instructions Group 2 information was added.  
Section 14: Special Instructions Group 2 information was deleted.  
Section 14: Special Instructions IATA Group 1 information was added.  
Section 14: Special Instructions IATA Group 1 information was deleted.  
Section 14: Special Instructions IATA Group 2 information was added.  
Section 14: Special Instructions IATA Group 2 information was deleted.  
Section 14: Special Instructions IMDG Group 1 information was added.  
Section 14: Special Instructions IMDG Group 1 information was deleted.  
Section 14: Special Instructions IMDG Group 2 information was added.  
Section 14: Special Instructions IMDG Group 2 information was deleted.  
Section 15: NZ Inventories information information was added.  
Section 16: NZ reason for reissue information was added.

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