



## Safety Data Sheet

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

### SECTION 1: Identification

#### 1.1. Product identifier

3M™ Glass Cleaner and Protector, Ready-To-Use

#### Product Identification Numbers

70-0715-9584-0

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

##### Recommended use

Glass Cleaner and Protector, Hard Surface Cleaner

For Industrial or Professional use only.

#### 1.3. Supplier's details

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

**Telephone:** 136 136

**E Mail:** [productinfo.au@mmm.com](mailto:productinfo.au@mmm.com)

**Website:** [www.3m.com.au](http://www.3m.com.au)

#### 1.4. Emergency telephone number

EMERGENCY: 1800 097 146 (Australia only)

### SECTION 2: Hazard identification

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

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

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

Not applicable.

#### 2.2. Label elements

##### Signal word

Not applicable.

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### Symbols

Not applicable.

### Pictograms

Not applicable.

### 2.3. Other assigned/identified product hazards

None known.

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

None known.

## SECTION 3: Composition/information on ingredients

This material is a mixture.

Ingredient	CAS Nbr	% by Weight
Water	7732-18-5	> 99
ISOPROPANOL	67-63-0	< 1
Ethoxylated C9-11 Alcohols	68439-46-3	< 0.1
Sodium Lauryl Sulfate	151-21-3	< 0.1
Fragrance Added	Mixture	< 0.01

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### Inhalation

Remove person to fresh air. If you feel unwell, get medical attention.

#### Skin contact

Wash with soap and water. If signs/symptoms develop, get medical attention.

#### Eye contact

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

#### If swallowed

Rinse mouth. If you feel unwell, get medical attention.

### 4.2. Most important symptoms and effects, both acute and delayed

See Section 11.1. Information on toxicological effects.

### 4.3. Indication of any immediate medical attention and special treatment required

Not applicable

## SECTION 5: Fire-fighting measures

### 5.1. Suitable extinguishing media

Material will not burn. Use a fire fighting agent suitable for the surrounding fire. Non-combustible. Use a fire fighting agent suitable for surrounding fire.

### 5.2. Special hazards arising from the substance or mixture

None inherent in this product.

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

No special protective actions for fire-fighters are anticipated.

## SECTION 6: Accidental release measures

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

Ventilate the area with fresh air. Observe precautions from other sections.

### 6.2. Environmental precautions

Avoid release to the environment. 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. 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. Place in a closed container approved for transportation by appropriate authorities. Clean up residue with water. Seal the container. Dispose of collected material as soon as possible.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Keep out of reach of children. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

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

No special storage requirements.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limits

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

Ingredient	CAS Nbr	Agency	Limit type	Additional comments
ISOPROPANOL	67-63-0	ACGIH	TWA:200 ppm;STEL:400 ppm	A4: Not class. as human carcin
ISOPROPANOL	67-63-0	Australia OELs	TWA(8 hours):983 mg/m3(400 ppm);STEL(15 minutes):1230 mg/m3(500 ppm)	

ACGIH : American Conference of Governmental Industrial Hygienists

AIHA : American Industrial Hygiene Association

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

CMRG : Chemical Manufacturer's Recommended Guidelines

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

CEIL: Ceiling

Sen: Sensitiser

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

### 8.2. Exposure controls

#### 8.2.1. Engineering controls

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Use in a well-ventilated area.

### 8.2.2. Personal protective equipment (PPE)

#### Eye/face protection

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

Safety glasses with side shields.

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

#### Skin/hand protection

No protective gloves required.

#### Respiratory protection

Under normal use conditions, airborne exposures are not expected to be significant enough to require respiratory protection.

## SECTION 9: Physical and chemical properties

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

Physical state	Liquid.
Appearance/Odour	Clear light blue / apple scent
Odour threshold	<i>No data available.</i>
pH	6.5 - 8.5
Melting point/Freezing point	<i>No data available.</i>
Boiling point/Initial boiling point/Boiling range	100 °C
Flash point	No flash point
Evaporation rate	<i>No data available.</i>
Flammability (solid, gas)	Not applicable.
Flammable Limits(LEL)	<i>Not applicable.</i>
Flammable Limits(UEL)	<i>Not applicable.</i>
Vapour pressure	<i>No data available.</i>
Vapour density	<i>No data available.</i>
Density	<i>No data available.</i>
Relative density	1 g/cm <sup>3</sup>
Water solubility	Complete
Solubility- non-water	<i>No data available.</i>
Partition coefficient: n-octanol/water	<i>No data available.</i>
Autoignition temperature	<i>No data available.</i>
Decomposition temperature	<i>No data available.</i>
Viscosity	5 - 0.01 Pa-s
Volatile organic compounds (VOC)	< 0.1
VOC less H <sub>2</sub> O & exempt solvents	< 2,000

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

This material is considered to be non reactive under normal use conditions

### 10.2 Chemical stability

Stable.

### 10.3. Conditions to avoid

None known.

### 10.4. Possibility of hazardous reactions

Hazardous polymerisation will not occur.

### 10.5 Incompatible materials

None known.

### 10.6 Hazardous decomposition products

<u>Substance</u>	<u>Condition</u>
Carbon monoxide.	Not specified.
Carbon dioxide.	Not specified.

## 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

Sprayed material may cause irritation of the respiratory system: Signs/symptoms may include cough, sneezing, nasal discharge, hoarseness, wheezing, breathing difficulty, nose and throat pain, coughing up blood, and non respiratory effects such as painful and watery eyes.

#### Skin contact

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

#### Eye contact

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

#### Ingestion

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

#### Toxicological Data

If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

#### Acute Toxicity

Name	Route	Species	Value
Overall product	Ingestion		No data available; calculated ATE >5,000 mg/kg
ISOPROPANOL	Dermal	Rabbit	LD50 12,870 mg/kg

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ISOPROPANOL	Inhalation-Vapour (4 hours)	Rat	LC50 72.6 mg/l
ISOPROPANOL	Ingestion	Rat	LD50 4,710 mg/kg
Ethoxylated C9-11 Alcohols	Dermal	Rabbit	LD50 > 2,000 mg/kg
Ethoxylated C9-11 Alcohols	Ingestion	Rat	LD50 1,378 mg/kg
Sodium Lauryl Sulfate	Inhalation-Dust/Mist		LC50 > 0.975 mg/l
Sodium Lauryl Sulfate	Dermal	Rabbit	LD50 580 mg/kg
Sodium Lauryl Sulfate	Ingestion	Rat	LD50 1,650 mg/kg

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

Name	Species	Value
ISOPROPANOL	Multiple animal species	No significant irritation
Ethoxylated C9-11 Alcohols	Rabbit	Irritant
Sodium Lauryl Sulfate	Rabbit	Irritant

**Serious Eye Damage/Irritation**

Name	Species	Value
ISOPROPANOL	Rabbit	Severe irritant
Ethoxylated C9-11 Alcohols		Corrosive
Sodium Lauryl Sulfate	Rabbit	Corrosive

**Skin Sensitisation**

Name	Species	Value
ISOPROPANOL	Guinea pig	Not sensitizing
Ethoxylated C9-11 Alcohols	Guinea pig	Not sensitizing

**Respiratory Sensitisation**

Name	Species	Value

**Germ Cell Mutagenicity**

Name	Route	Value
ISOPROPANOL	In Vitro	Not mutagenic
ISOPROPANOL	In vivo	Not mutagenic
Ethoxylated C9-11 Alcohols	In Vitro	Not mutagenic

**Carcinogenicity**

Name	Route	Species	Value
ISOPROPANOL	Inhalation	Rat	Some positive data exist, but the data are not sufficient for classification

**Reproductive Toxicity****Reproductive and/or Developmental Effects**

Name	Route	Value	Species	Test result	Exposure Duration
ISOPROPANOL	Ingestion	Some positive developmental data exist, but the data are not sufficient for classification	Rat	NOAEL 400 mg/kg/day	during organogenesis
ISOPROPANOL	Inhalation	Some positive developmental data exist, but the data are not sufficient for classification	Rat	LOAEL 9 mg/l	during gestation
Ethoxylated C9-11 Alcohols	Dermal	Not toxic to female reproduction	Rat	NOAEL 250 mg/kg/day	2 generation
Ethoxylated C9-11	Dermal	Not toxic to	Rat	NOAEL 250	2 generation

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Alcohols		development		mg/kg/day	
Ethoxylated C9-11 Alcohols	Dermal	Some positive male reproductive data exist, but the data are not sufficient for classification	Rat	NOAEL 100 mg/kg/day	2 generation

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

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
ISOPROPAN OL	Inhalation	central nervous system depression	May cause drowsiness or dizziness	Human	NOAEL Not available	
ISOPROPAN OL	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	Human	NOAEL Not available	
ISOPROPAN OL	Inhalation	auditory system	Some positive data exist, but the data are not sufficient for classification	Guinea pig	NOAEL 13.4 mg/l	24 hours
ISOPROPAN OL	Ingestion	central nervous system depression	May cause drowsiness or dizziness	Human	NOAEL Not available	poisoning and/or abuse
Ethoxylated C9-11 Alcohols	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	Not available	NOAEL Not available	not available
Sodium Lauryl Sulfate	Inhalation	respiratory irritation	May cause respiratory irritation	similar health hazards	NOAEL Not available	

**Specific Target Organ Toxicity - repeated exposure**

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
ISOPROPAN OL	Inhalation	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 12.3 mg/l	24 months
ISOPROPAN OL	Inhalation	nervous system	All data are negative	Rat	NOAEL 12 mg/l	13 weeks
ISOPROPAN OL	Ingestion	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 400 mg/kg/day	12 weeks
Ethoxylated C9-11 Alcohols	Dermal	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 125 mg/kg/day	13 weeks
Ethoxylated C9-11 Alcohols	Dermal	hematopoietic system	All data are negative	Rat	NOAEL 125 mg/kg/day	13 weeks

**3M™ Glass Cleaner and Protector, Ready-To-Use****Aspiration Hazard**

Name	Value
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**Exposure Levels**

Refer Section 8.1 Control Parameters of this Safety Data Sheet.

**Interactive Effects**

Not determined.

**SECTION 12: Ecological information**

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. Additional information leading to material classification in Section 2 is available upon request. In addition, environmental fate and effects data on ingredients may not be reflected in this section because an ingredient is present below the threshold for labelling, an ingredient is not expected to be available for exposure, or the data is considered not relevant to the material as a whole.

**12.1. Toxicity****Acute aquatic hazard:**

Not acutely toxic to aquatic life by GHS criteria.

**Chronic aquatic hazard:**

Not chronically toxic to aquatic life by GHS criteria.

No product test data available.

Material	CAS Number	Organism	Type	Exposure	Test endpoint	Test result
Ethoxylated C9-11 Alcohols	68439-46-3	Green algae	Experimental	72 hours	EC50	45 mg/l
Ethoxylated C9-11 Alcohols	68439-46-3	Fathead minnow	Experimental	96 hours	LC50	8.5 mg/l
Ethoxylated C9-11 Alcohols	68439-46-3	Water flea	Experimental	48 hours	EC50	2.686 mg/l
Ethoxylated C9-11 Alcohols	68439-46-3	Fathead minnow	Experimental	30 days	NOEC	0.73 mg/l
Ethoxylated C9-11 Alcohols	68439-46-3	Green Algae	Experimental	72 hours	NOEC	1.2 mg/l
Sodium Lauryl Sulfate	151-21-3	Green algae	Experimental	96 hours	EC50	117 mg/l
Sodium Lauryl Sulfate	151-21-3	Water flea	Experimental	40 days	NOEC	2 mg/l
Sodium Lauryl Sulfate	151-21-3	Water flea	Experimental	48 hours	LC50	1.4 mg/l
Sodium Lauryl Sulfate	151-21-3	Fish	Experimental	96 hours	LC50	0.59 mg/l
Fragrance Added	Mixture		Data not available or insufficient for			



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			classification			
ISOPROPAN OL	67-63-0	Crustacea	Experimental	48 hours	EC50	1,400 mg/l
ISOPROPAN OL	67-63-0	Fathead minnow	Experimental	96 hours	LC50	6,120 mg/l
ISOPROPAN OL	67-63-0	Algae	Experimental	24 hours	EC50	>1,000 mg/l
ISOPROPAN OL	67-63-0	Water flea	Experimental	21 days	NOEC	30 mg/l

**12.2. Persistence and degradability**

Material	CAS Number	Test type	Duration	Study Type	Test result	Protocol
Ethoxylated C9-11 Alcohols	68439-46-3	Experimental Biodegradation	28 days	BOD	88 % weight	OECD 301F - Manometric respirometry
Sodium Lauryl Sulfate	151-21-3	Experimental Biodegradation	14 days	BOD	70 % weight	OECD 301C - MITI test (I)
Fragrance Added	Mixture	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
ISOPROPAN OL	67-63-0	Experimental Biodegradation	14 days	BOD	86 % weight	OECD 301C - MITI test (I)

**12.3 : Bioaccumulative potential**

Material	CAS Number	Test type	Duration	Study Type	Test result	Protocol
Ethoxylated C9-11 Alcohols	68439-46-3	Estimated Bioconcentrati on		Bioaccumulati on factor	33	Estimated: Bioconcentration factor
Sodium Lauryl Sulfate	151-21-3	Experimental Bioconcentrati on		Log Kow	1.6	Other methods
Fragrance Added	Mixture	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
ISOPROPAN OL	67-63-0	Experimental Bioconcentrati on		Log Kow	0.05	Other methods

**12.4. Mobility in soil**

Please contact manufacturer for more details

**12.5 Other adverse effects**

No information available.

**SECTION 13: Disposal considerations****13.1. Disposal methods**

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

Dispose of waste product in a permitted industrial waste facility. As a disposal alternative, incinerate in a permitted waste

incineration facility. Proper destruction may require the use of additional fuel during incineration processes.

## **SECTION 14: Transport Information**

### **Australian Dangerous Goods Code (ADG) - Road/Rail Transport**

**UN No.:** Not applicable.

**Proper shipping name:** Not applicable.

**Class/Division:** Not applicable.

**Sub Risk:** Not applicable.

**Packing Group:** Not applicable.

**Hazchem Code:** Not applicable

**IERG:** Not applicable.

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

**UN No.:** Not applicable.

**Proper shipping name:** Not applicable.

**Class/Division:** Not applicable.

**Sub Risk:** Not applicable.

**Packing Group:** Not applicable.

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

**UN No.:** Not applicable.

**Proper shipping name:** Not applicable.

**Class/Division:** Not applicable.

**Sub Risk:** Not applicable.

**Packing Group:** Not applicable.

**Marine Pollutant:** Not applicable.

## **SECTION 15: Regulatory information**

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

#### **Australian Inventory Status:**

An ingredient(s) in this product is being introduced under Section 21 of the Industrial Chemicals (Notification and Assessment) Act 1989 as amended.

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

## **SECTION 16: Other information**

#### **Revision information:**

Initial issue.

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**3M Australia SDSs are available at [www.3m.com.au](http://www.3m.com.au)**