



AUSTRALIA

## SAFETY DATA SHEET

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

#### 1.1 Product identifier

**Product name** MOLYTEC AUSTRALIA GLASS CLEANER  
**Synonyms** M809 • MOLYTEC GLASS CLEANER

#### 1.2 Uses and uses advised against

**Uses** AEROSOL DISPENSED • GLASS CLEANER

#### 1.3 Details of the supplier of the product

**Supplier name** MOLYTEC AUSTRALIA P/L  
**Address** 2/38-44 Enterprise Street, Cleveland, QLD, 4163, AUSTRALIA  
**Telephone** 1300 452 355  
**Email** [admin@molytec.com.au](mailto:admin@molytec.com.au)  
**Website** <http://www.molytec.com.au>

#### 1.4 Emergency telephone numbers

**Emergency** 1300 452 355

### 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

##### Physical Hazards

Aerosols - Flammable: Category 2  
Aerosols - Pressurised: Category 2

##### Health Hazards

Not classified as a Health Hazard

##### Environmental Hazards

Not classified as an Environmental Hazard

#### 2.2 GHS Label elements

**Signal word** WARNING

##### Pictograms



##### Hazard statements

H223 Flammable aerosol.  
H229 Pressurized container: may burst if heated.

##### Prevention statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P211 Do not spray on an open flame or other ignition source.  
P251 Do not pierce or burn, even after use.

##### Response statements

None allocated.

**PRODUCT NAME MOLYTEC AUSTRALIA GLASS CLEANER****Storage statements**

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C.

**Disposal statements**

None allocated.

**2.3 Other hazards**

No information provided.

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**3. COMPOSITION/ INFORMATION ON INGREDIENTS**

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**3.1 Substances / Mixtures**

| Ingredient                              | CAS Number    | EC Number     | Content   |
|---|---------------|---------------|-----------|
| 2-BUTOXYETHANOL                         | 111-76-2      | 203-905-0     | <10%      |
| ALKANES, C3-4 (<0.1% W/W 1,3-BUTADIENE) | 68475-59-2    | 270-653-6     | <10%      |
| ETHANOL                                 | 64-17-5       | 200-578-6     | <10%      |
| WATER                                   | 7732-18-5     | 231-791-2     | Remainder |
| NON HAZARDOUS INGREDIENTS               | Not Available | Not Available | <5%       |

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**4. FIRST AID MEASURES**

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**4.1 Description of first aid measures**

|                             |  |
|-----------------------------|--|
| <b>Eye</b>                  | If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.         |
| <b>Inhalation</b>           | If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.  |
| <b>Skin</b>                 | If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.   |
| <b>Ingestion</b>            | For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting. Ingestion is considered unlikely due to product form. |
| <b>First aid facilities</b> | Normal washroom facilities should be available.  |

**4.2 Most important symptoms and effects, both acute and delayed**

Adverse effects not expected from this product under normal conditions of use.

**4.3 Immediate medical attention and special treatment needed**

No specific treatment. Treat symptomatically.

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**5. FIRE FIGHTING MEASURES**

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**5.1 Extinguishing media**

Dry agent, carbon dioxide or foam. Prevent contamination of drains and waterways.

**5.2 Special hazards arising from the substance or mixture**

Flammable aerosol. May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition. Aerosol may explode at temperatures exceeding 50°C. Eliminate all ignition sources including cigarettes, open flames, spark producing switches/tools, heaters, naked lights, pilot lights, etc when handling. Aerosol cans may explode when heated to temperatures > 50°C.

**5.3 Advice for firefighters**

Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.

**5.4 Hazchem code**

|     |   |
|-----|---|
| 2YE |   |
| 2   | Fine Water Spray.   |
| Y   | Risk of violent reaction or explosion. Wear full fire kit and breathing apparatus. Contain spill and run-off. |
| E   | Evacuation of people in and around the immediate vicinity of the incident should be considered.               |

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**6. ACCIDENTAL RELEASE MEASURES**

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## PRODUCT NAME MOLYTEC AUSTRALIA GLASS CLEANER

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

Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS. Clear area of all unprotected personnel. Ventilate area where possible and eliminate ignition sources.

### 6.2 Environmental precautions

Prevent product from entering drains and waterways.

### 6.3 Methods of cleaning up

Contain spillage, then cover / absorb spill with non-combustible absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal.

### 6.4 Reference to other sections

See Sections 8 and 13 for exposure controls and disposal.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

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

Store in a cool (< 50°C), dry, well ventilated area, removed from incompatible substances, heat or ignition sources and foodstuffs. Ensure aerosol containers/ cans are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for damaged/ leaking containers. Large storage areas should have appropriate fire protection systems.

### 7.3 Specific end uses

No information provided.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

#### Exposure standards

| Ingredient              | Reference      | TWA  |                   | STEL |                   |
|-------------------------|----------------|------|-------------------|------|-------------------|
|                         |                | ppm  | mg/m <sup>3</sup> | ppm  | mg/m <sup>3</sup> |
| 2-Butoxyethanol (EGBE)  | SWA [AUS]      | 20   | 96.9              | 50   | 242               |
| 2-Butoxyethanol (EGBE)  | SWA [Proposed] | 10   | 49                | 50   | 242               |
| Ethanol                 | SWA [AUS]      | 1000 | 1880              | --   | --                |
| Ethanol (Ethyl alcohol) | SWA [Proposed] | 200  | 380               | 800  | 1500              |

#### Biological limits

| Ingredient      | Determinant  | Sampling Time | BEI                 |
|-----------------|--|---------------|---------------------|
| 2-BUTOXYETHANOL | Butoxyacetic acid (BAA) in urine (with hydrolysis) | End of shift  | 200 mg/g creatinine |

Reference: ACGIH Biological Exposure Indices

### 8.2 Exposure controls

**Engineering controls** Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical explosion proof extraction ventilation is recommended. Flammable/ explosive vapours may accumulate in poorly ventilated areas. Vapours are heavier than air and may travel some distance to an ignition source and flash back.

#### PPE

|                    |  |
|--------------------|--|
| <b>Eye / Face</b>  | Wear splash-proof goggles.   |
| <b>Hands</b>       | When using large quantities or where heavy contamination is likely, wear PVC or rubber gloves. |
| <b>Body</b>        | When using large quantities or where heavy contamination is likely, wear coveralls.            |
| <b>Respiratory</b> | Not required under normal conditions of use.   |



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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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### 9.1 Information on basic physical and chemical properties

|                                  |   |
|----------------------------------|---|
| <b>Appearance</b>                | CLEAR COLOURLESS LIQUID (AEROSOL DISPENSED) |
| <b>Odour</b>                     | CHARACTERISTIC ODOUR                        |
| <b>Flammability</b>              | FLAMMABLE                                   |
| <b>Flash point</b>               | -17°C (Propellant)                          |
| <b>Boiling point</b>             | 100°C (Approximately)                       |
| <b>Melting point</b>             | 0°C (Approximately)                         |
| <b>Evaporation rate</b>          | NOT AVAILABLE                               |
| <b>pH</b>                        | NOT AVAILABLE                               |
| <b>Vapour density</b>            | NOT AVAILABLE                               |
| <b>Relative density</b>          | 0.99  |
| <b>Solubility (water)</b>        | SOLUBLE                                     |
| <b>Vapour pressure</b>           | NOT AVAILABLE                               |
| <b>Upper explosion limit</b>     | 9.6 %                                       |
| <b>Lower explosion limit</b>     | 1.5 %                                       |
| <b>Partition coefficient</b>     | NOT AVAILABLE                               |
| <b>Autoignition temperature</b>  | NOT AVAILABLE                               |
| <b>Decomposition temperature</b> | NOT AVAILABLE                               |
| <b>Viscosity</b>                 | NOT AVAILABLE                               |
| <b>Explosive properties</b>      | NOT AVAILABLE                               |
| <b>Oxidising properties</b>      | NOT AVAILABLE                               |
| <b>Odour threshold</b>           | NOT AVAILABLE                               |

### 9.2 Other information

|                    |                      |
|--------------------|----------------------|
| <b>% Volatiles</b> | 99 % (Approximately) |
|--------------------|----------------------|

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## 10. STABILITY AND REACTIVITY

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### 10.1 Reactivity

Carefully review all information provided in sections 10.2 to 10.6.

### 10.2 Chemical stability

Stable under recommended conditions of storage.

### 10.3 Possibility of hazardous reactions

Polymerization will not occur.

### 10.4 Conditions to avoid

Avoid heat, sparks, open flames and other ignition sources.

### 10.5 Incompatible materials

Incompatible with oxidising agents (e.g. hypochlorites), acids (e.g. nitric acid), alkalis (e.g. sodium hydroxide), heat and ignition sources.

### 10.6 Hazardous decomposition products

May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition.

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## 11. TOXICOLOGICAL INFORMATION

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### 11.1 Information on toxicological effects

|                       |   |
|-----------------------|---|
| <b>Acute toxicity</b> | This product is expected to be of low toxicity. Based on available data, the classification criteria are not met. This product may have the potential to cause adverse health effects if intentionally misused (e.g. deliberately inhaling contents). |
|-----------------------|---|

**PRODUCT NAME MOLYTEC AUSTRALIA GLASS CLEANER****Information available for the ingredients:**

| Ingredient      | Oral LD50                   | Dermal LD50        | Inhalation LC50             |
|-----------------|-----------------------------|--------------------|-----------------------------|
| 2-BUTOXYETHANOL | ~1200 mg/kg (rat)<br>(ECHA) | 220 mg/kg (rabbit) | 450 mg/L/4hrs (rat)         |
| ETHANOL         | 3450 mg/kg (mouse)          | --                 | 20000 ppm/10 hours<br>(rat) |
| WATER           | > 90,000 mg/kg (rat)        | --                 | --                          |

|                                 |  |
|---------------------------------|--|
| <b>Skin</b>                     | Not classified as a skin irritant. Contact may result in mild irritation.  |
| <b>Eye</b>                      | Not classified as an eye irritant. Contact may cause discomfort, lacrimation and redness.  |
| <b>Sensitisation</b>            | Not classified as causing skin or respiratory sensitisation.   |
| <b>Mutagenicity</b>             | No evidence of mutagenic effects.  |
| <b>Carcinogenicity</b>          | No evidence of carcinogenic effects.   |
| <b>Reproductive</b>             | No relevant or reliable studies were identified.   |
| <b>STOT - single exposure</b>   | Not classified as causing organ damage from single exposure. This product may have the potential to cause adverse health effects if intentionally misused (e.g. deliberately inhaling contents). High level exposure may result in nausea, dizziness and drowsiness. |
| <b>STOT - repeated exposure</b> | Not classified as causing organ damage from repeated exposure.   |
| <b>Aspiration</b>               | Ingestion is considered unlikely due to product form.  |

**12. ECOLOGICAL INFORMATION****12.1 Toxicity**

No information provided.

**12.2 Persistence and degradability**

No information provided.

**12.3 Bioaccumulative potential**

No information provided.

**12.4 Mobility in soil**

No information provided.

**12.5 Other adverse effects**

Hydrocarbon propellants will quickly evaporate from soil or water and enter the atmosphere. In the atmosphere propellants are expected to exist entirely in the vapour phase and will react with hydroxyl radicals. Estimated half lives vary from 6 days (butane) to 13 days (propane). Hydrocarbon propellants are not ozone depleting.

**13. DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods**

**Waste disposal** For small amounts, absorb contents with sand or similar and dispose of to an approved landfill site. Do not puncture or incinerate aerosol cans. Contact the manufacturer/supplier for additional information (if required).

**Legislation** Dispose of in accordance with relevant local legislation.

**14. TRANSPORT INFORMATION****CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE**

**PRODUCT NAME MOLYTEC AUSTRALIA GLASS CLEANER**

|                                    | LAND TRANSPORT (ADG) | SEA TRANSPORT (IMDG / IMO) | AIR TRANSPORT (IATA / ICAO) |
|------------------------------------|----------------------|----------------------------|-----------------------------|
| <b>14.1 UN Number</b>              | 1950                 | 1950                       | 1950                        |
| <b>14.2 Proper Shipping Name</b>   | AEROSOLS             | AEROSOLS                   | AEROSOLS                    |
| <b>14.3 Transport hazard class</b> | 2.1                  | 2.1                        | 2.1                         |
| <b>14.4 Packing Group</b>          | None allocated.      | None allocated.            | None allocated.             |

**14.5 Environmental hazards**

Not a Marine Pollutant.

**14.6 Special precautions for user**

|                     |          |
|---------------------|----------|
| <b>Hazchem code</b> | 2YE      |
| <b>GTEPG</b>        | 2D1      |
| <b>EmS</b>          | F-D, S-U |

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

|                           |   |
|---------------------------|---|
| <b>Poison schedule</b>    | A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP). |
| <b>Classifications</b>    | Safe Work Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals (GHS Revision 7).                    |
| <b>Inventory listings</b> | <b>AUSTRALIA: AICC (Australian Inventory of Industrial Chemicals)</b><br>All components are listed on AICC, or are exempt.                                      |

**16. OTHER INFORMATION**

**Additional information** AEROSOL CANS may explode at temperatures approaching 50°C.

**PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:**

The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as form of product, method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

**HEALTH EFFECTS FROM EXPOSURE:**

It should be noted that the effects from exposure to this product will depend on several factors including: form of product; frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

**PRODUCT NAME MOLYTEC AUSTRALIA GLASS CLEANER****Abbreviations**

|                   |   |
|-------------------|---|
| ACGIH             | American Conference of Governmental Industrial Hygienists                                       |
| CAS #             | Chemical Abstract Service number - used to uniquely identify chemical compounds                 |
| CNS               | Central Nervous System  |
| EC No.            | EC No - European Community Number   |
| EMS               | Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous Goods)                   |
| GHS               | Globally Harmonized System  |
| GTEPG             | Group Text Emergency Procedure Guide  |
| IARC              | International Agency for Research on Cancer   |
| LC50              | Lethal Concentration, 50% / Median Lethal Concentration   |
| LD50              | Lethal Dose, 50% / Median Lethal Dose   |
| mg/m <sup>3</sup> | Milligrams per Cubic Metre  |
| OEL               | Occupational Exposure Limit   |
| pH                | relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline). |
| ppm               | Parts Per Million   |
| STEL              | Short-Term Exposure Limit   |
| STOT-RE           | Specific target organ toxicity (repeated exposure)  |
| STOT-SE           | Specific target organ toxicity (single exposure)  |
| SUSMP             | Standard for the Uniform Scheduling of Medicines and Poisons                                    |
| SWA               | Safe Work Australia   |
| TLV               | Threshold Limit Value   |
| TWA               | Time Weighted Average   |

**Report status**

This document has been compiled by RMT on behalf of the manufacturer, importer or supplier of the product and serves as their Safety Data Sheet ('SDS').

It is based on information concerning the product which has been provided to RMT by the manufacturer, importer or supplier or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer, importer or supplier.

While RMT has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

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**[ End of SDS ]**