



## SAFETY DATA SHEET



### 1. PRODUCT AND COMPANY INFORMATION

**Identification of the substance or preparation:** L.O.C.™ Plus Window Cleaner

**Product code:** E8116

**Use of the substance/preparation:** Window and glass cleaner  
**Statements of hazard nature:** Classified as hazardous according to criteria of NOHSC.  
Classified as a dangerous goods according to the ADG Code.

**Company:**

|  |   |
|--|---|
| Amway of Australia<br>46 Carrington Road<br>P.O. Box 202<br>Castle Hill NSW 1765<br>Tel: (02) 9843 2000<br>Australian Business Number: 49004-807-756 | Amway of New Zealand<br>15 Lady Ruby Drive<br>East Tamaki, Auckland, New Zealand<br>Tel: (612) 9843 2000<br>Emergency Contact Number: 0800 POISON or 0800 764 764 |
|--|---|

**Responsible person(s):** Technical Office, Amway of Australia (02) 9843 2000

**Emergency telephone number:** (02) 9843 2000 (Ask for the Technical Dept.) This is not a 24-hour number.

**For Transportation Emergencies: ChemTrec @ 1-703-527-3887 CCN 182**

### 2. HAZARDS IDENTIFICATION

**Most important hazards:** This product is classified as hazardous according to the latest edition of the NOHSC Approved Criteria for Classifying Hazardous Substances.

R12 - Extremely flammable.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name      | Common Name       | Weight % | Classification              | CAS #     |
|--------------------|-------------------|----------|-----------------------------|-----------|
| 2-Propanol         | Isopropyl alcohol | 5-10     | F; R11<br>Xi; R36<br>R67    | 67-63-0   |
| Isobutane          | Isobutane         | 1-5      | F+; R12                     | 75-28-5   |
| Ethanol, 2-butoxy- | Glycol ether      | 1-5      | Xn; R20/21/22<br>Xi; R36/38 | 111-76-2  |
| Aqueous Ammonia    | Aqueous ammonia   | <1       | C; R34<br>N; R50            | 1336-21-6 |

### 4. FIRST AID MEASURES

|                      |  |
|----------------------|--|
| <b>Inhalation:</b>   | Move to fresh air. If irritation or breathing difficulty develops, GET MEDICAL ADVICE by calling an anti-poison center, doctor or hospital emergency room.   |
| <b>Skin contact:</b> | Rinse skin thoroughly with water.  |
| <b>Eye contact:</b>  | Remove contact lenses. Rinse with gentle stream of water for 15 minutes, holding eyelids open. Get medical advice by calling an anti-poison center, doctor or hospital emergency room.   |
| <b>Ingestion:</b>    | If victim is a child, give 120-240 millilitres of water. For adults, give 240-360 millilitres of water. Do not induce vomiting when this product is swallowed. If vomiting occurs spontaneously, keep victim in an upright position. GET MEDICAL ADVICE by calling an anti-poison centre, doctor or hospital emergency room. |

## 5. FIRE-FIGHTING MEASURES

|   |   |
|---|---|
| <b>Suitable extinguishing media:</b>                  | Use extinguishing media suitable for surrounding materials.                         |
| <b>Specific hazards:</b>                              | Vapor pressure build-up due to fire heat may cause container rupture and rocketing. |
| <b>Special protective equipment for firefighters:</b> | Use standard fire-fighting protective equipment.                                    |

## 6. ACCIDENTAL RELEASE MEASURES

|                                   |  |
|-----------------------------------|--|
| <b>Personal precautions:</b>      | Remove all sources of ignition. Wear appropriate personal protection equipment (respirator, gloves, goggles, and/or faceshield, boots, protective clothing). |
| <b>Environmental precautions:</b> | Prevent further leakage or spillage.   |
| <b>Methods for cleaning up:</b>   | No special collection methods required. Dispose of in accordance with all national and local regulations.  |

## 7. HANDLING AND STORAGE

|                  |   |
|------------------|---|
| <b>Handling:</b> | No special technical protective measures required. Keep away from sources of ignition - No smoking. Do not spray toward flame or heated object. Use only as directed. Use only in well-ventilated areas.                |
| <b>Storage:</b>  | Keep out of reach of children. Protect from exposure to sun and temperatures above 50 degrees C. Store in accordance with applicable requirements for aerosols. No special restrictions on storage with other products. |

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

|                              |   |
|------------------------------|---|
| <b>Engineering measures:</b> | Mechanical ventilation is not normally necessary when this product is used according to label directions. |
|------------------------------|---|

**Respiratory protection:** Follow label directions. Respiratory protective equipment is not normally necessary when this product is used according to label directions. Where use conditions and/or extent and duration of exposure differ from typical household consumer use, appropriate protective equipment may be necessary to minimize exposures.

**Hand protection:** Follow label directions. Skin protection is not normally necessary when this product is used according to label directions. Where use conditions and/or extent and duration of exposure differ from typical household consumer use, appropriate protective equipment may be necessary to minimize exposures.

**Eye protection:** Prevent eye contact by using protective eye wear appropriate for conditions of use.

**Skin protection:** Follow label directions. Skin and body protection is not normally necessary when this product is used according to label directions. Where use conditions and/or extent and duration of exposure differ from typical household consumer use, appropriate protective equipment may be necessary to minimize exposures.

| Chemical Name      | Australian Exposure Standards - Time Weighted Average | Australian Exposure Standards - Short Term Exposure Limit | New Zealand Exposure Standards - Time-Weighted Average | New Zealand Exposure Standards - Short Term Exposure Limit |
|--------------------|---|---|--|--|
| 2-Propanol         | 400 ppm<br>983 mg/m <sup>3</sup>                      | 500 ppm<br>1230 mg/m <sup>3</sup>                         | 400 ppm<br>983 mg/m <sup>3</sup>                       | 500 ppm<br>1230 mg/m <sup>3</sup>                          |
| Ethanol, 2-butoxy- | 20 ppm<br>96.9 mg/m <sup>3</sup>                      | 50 ppm<br>242 mg/m <sup>3</sup>                           | 25 ppm<br>121 mg/m <sup>3</sup>                        |  |

**General industrial hygiene practice:** This product is sold as a consumer product. Where use conditions and/or extent and duration of exposure differ from typical household consumer use, appropriate protective equipment may be necessary to minimize exposures. Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Aerosol product  
**Colour:** clear, colourless  
**Odour:** ammoniacal  
**pH:** 10,6 - 11,4  
**Relative density:** 0,980 - 0,990  
**Flash Point (°C):** <-73 (isobutane)  
**Method:** open cup

## 10. STABILITY AND REACTIVITY

**Conditions to avoid:** Exposure to sunlight. Heat, flames and sparks.

**Materials to avoid:** Contact with highly reactive chemicals like strong acids, strong bases, oxidizers or reducing agents may cause a dangerous reaction.

**Hazardous decomposition products:** not determined

## 11. TOXICOLOGICAL INFORMATION

|                                       |   |
|---------------------------------------|---|
| <b>Principle Routes of Exposure:</b>  | Eye contact, skin contact, inhalation, skin absorption  |
| <b>Aggravated Medical Conditions:</b> | Exposure to this product may aggravate pre-existing skin, eye, and respiratory disorders.   |
| <b>Inhalation:</b>                    | Inhalation of mists can cause irritation of the upper respiratory tract. Inhalation of vapors can cause irritation of the upper respiratory tract.  |
| <b>Skin contact:</b>                  | Prolonged or repeated skin contact with this product can cause skin irritation.   |
| <b>Eye contact:</b>                   | Contact with this product can cause mild to moderate eye irritation.  |
| <b>Ingestion:</b>                     | Due to the aerosol nature of this product, ingestion is unlikely. Ingestion of this product can cause irritation of the mouth and throat, upset stomach, nausea, vomiting and diarrhea.   |
| <b>Further information:</b>           | <p>Inhalation overexposure to isobutane vapours can cause drowsiness, loss of consciousness, asphyxia and death.</p> <p>Inhalation of vapours or skin contact with 2-butoxyethanol can cause headache, nausea, dizziness and drowsiness. 2-butoxyethanol has caused red blood cell damage in laboratory animals. Humans appear to be resistant to this effect. Chronic exposure to 2-butoxyethanol caused anemia, fetal effects, liver and kidney damage in experimental animals (rats).</p> <p>Inhalation overexposure to vapours of isopropanol (propan-2-ol) can cause headache, dizziness, nausea, drowsiness and respiratory irritation (possibly progressing to bronchopneumonia or pulmonary edema).</p> <p>Inhalation overexposure to ammonia gas may cause respiratory irritation.</p> |

## 12. ECOLOGICAL INFORMATION

**Environmental classification:** This product is not classified as dangerous for the environment.

## 13. DISPOSAL CONSIDERATIONS

**Waste from residues / unused products:** Dispose of in accordance with local regulations.

**Empty containers:** Do not puncture or burn, even after use. Do not re-use empty containers. Only empty packaging can be recycled.

## 14. TRANSPORT INFORMATION

This applies to household or personal care material packaged in a form intended or suitable for consumer use. For non-consumer commodity packages, consult current transport regulations.

**DOT:**  
UN/ID No.: not applicable  
Proper shipping name: Consumer Commodity  
Hazard Class: ORM-D

Packing group: not applicable

**IMDG/ADR:**

UN/ID No.: UN1950

Proper shipping name: Aerosols

Hazard class: 2.1

Packing group: not applicable

**ICAO/IATA:**

UN/ID No.: ID8000

Proper shipping name: Consumer Commodity

Hazard class: 9

Packing group: not applicable

The information contained in this document is subject to change or update due to changing government regulations. The user of this document assumes responsibility for complying with all applicable national and international laws and regulations regarding the shipment of Dangerous Goods.

## 15. REGULATORY INFORMATION

**Poisons Schedule Number:** 5 (free ammonia 0.5% - 5.0%)

**HSNO Classification (NZ):** 2.1.2A, 6.1E

**Group Standard (NZ):** Aerosol (flammable)

## 16. OTHER INFORMATION

The information contained herein is believed to be accurate and represents the best information currently available to us, much of which comes from the manufacturer or supplier of components of this product. Therefore, Amway of Australia and Access Business Group LLC make no warranty, express or implied, regarding the accuracy of the data. Health and safety precautions in this data sheet may not be adequate for all individuals and product uses. It is the user's obligation to make certain that this MSDS is the most current MSDS for the product; to evaluate the information contained in this sheet in connection with the uses to which the product is to be put in the workplace and to use the product safely in accordance with applicable laws and regulations. If there are any questions concerning the information contained in this sheet or its applicability to a particular use, the user is instructed to telephone the Technical Department on (02) 9843 2000. Amway of Australia and Access Business Group LLC assume no responsibility for injury from the use of the product described in this sheet in a way different from that provided in the label directions.

Prepared By: Access Business Group LLC, Environmental, Health and Safety Department, Ada, Michigan, U.S.A.

**This data sheet contains changes from the previous version in section(s): 1, 15**

**\*\*\*END OF SAFETY DATA SHEET\*\*\***