



## SAFETY DATA SHEET



### 1. IDENTIFICATION

#### Product identifier

**Product name:** Legacy of Clean™ Glass Cleaner Refill - Concentrated Glass Cleaner Refill

#### Other means of identification

**Product code:** 109859, 112537

**Synonyms:** AMWAY HOME™ L.O.C.™ Glass Cleaner

#### Recommended use of the chemical and restrictions on use

**Recommended use:** Window and glass cleaner

**Uses advised against:** No information available

#### Details of the supplier of the safety data sheet

**Product information**  
Amway Corp. (58C-2A)  
7575 Fulton Street East  
Ada, MI 49355  
USA  
Tel: 1-800-253-6500

**Manufacturer**  
Access Business Group, LLC  
7575 Fulton Street East  
Ada, MI 49355  
USA  
Tel: 1-800-253-6500

**E-mail address:** sds@amway.com

#### Emergency telephone number

**For Transportation Emergencies:** ChemTrec @ 1-800-424-9300

**Emergency Telephone Number:** For Poisoning Emergencies call Amway's poison control service in the United States at 1-616-787-6307. This is a 24-hour number.

### 2. HAZARDS IDENTIFICATION

#### Classification

Flammable liquids

Category 4

#### Label elements

**Warning**

**Hazard statements:**

Combustible liquid

**Precautionary Statements - Prevention**

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

**Precautionary Statements - Response**

**Fire**

In case of fire: Use CO2, dry chemical, or foam for extinction

**Precautionary Statements - Storage**

Store in a well-ventilated place. Keep cool

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not applicable

**Other Information**

- Causes mild skin irritation

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	Common Name	CAS #	Weight %	Trade secret
2-Propanol, 1-methoxy-	Glycol ether	107-98-2	5-10	*
2-Propanol, 1-butoxy-	Glycol ether	5131-66-8	5-10	*
Sodium Lauryl Ether Sulfate	Sodium laureth sulfate	68585-34-2	1-5	*
Amides, coco, N-[3-(dimethylamino)propyl], N-oxides	Surfactant	68155-09-9	<1	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret

**4. FIRST AID MEASURES**

**First aid measures**

- Eye contact:** Remove contact lenses. Rinse with gentle stream of water for 15 minutes, holding eyelids open. Get medical advice by calling a poison control center, doctor or hospital emergency room.
- Skin contact:** Rinse skin thoroughly with water.
- Inhalation:** Move to fresh air. If irritation or breathing difficulty develops, GET MEDICAL ADVICE by calling a poison control center, doctor or hospital emergency room.
- Ingestion:** If victim is a child, give 4-8 ounces of water. For adults, give 8-12 ounces 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 a poison control center, doctor or hospital emergency room.
- Protection of first-aiders:** Use personal protective equipment as required.

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

- Symptoms:** No information available.

**Indication of any immediate medical attention and special treatment needed**

- Notes to physician:** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

### Suitable extinguishing media

**Suitable extinguishing media:**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media:**

No information available.

### Specific hazards arising from the chemical

Combustible liquid. Avoid ignition sources.

### Special protective equipment for fire-fighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions:**

Wear appropriate personal protection equipment (respirator, gloves, goggles, and/or faceshield, boots, protective clothing).

**For emergency responders:**

Use personal protective equipment as required.

### Environmental precautions

See Section 12 for additional Ecological Information. Prevent further leakage or spillage if safe to do so.

### Methods and material for containment and cleaning up

**Methods for containment:**

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

**Methods for cleaning up:**

Soak up with inert absorbent material. Dispose of in accordance with all national and local regulations.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on safe handling:**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

**General hygiene considerations:**

Handle in accordance with good industrial hygiene and safety practice.

### Conditions for safe storage, including any incompatibilities

**Storage conditions:**

Store in a well-ventilated place. Keep cool.

**Materials to avoid**

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

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure limits:

Chemical Name	ACGIH TWA	ACGIH STEL	ACGIH CEILING	ACGIH - Skin Absorption Designation
2-Propanol, 1-methoxy-107-98-2	50 ppm	150 ppm	100 ppm	

#### Derived No Effect Level (DNEL):

No information available.

#### Predicted No Effect Concentration (PNEC):

No information available.

### Appropriate engineering controls

#### Engineering measures:

Mechanical ventilation is not normally necessary when this product is used according to product label directions.

### Individual protection measures, such as personal protective equipment

#### Eye/face protection:

Follow label directions. No special technical protective measures are necessary. Avoid contact with eyes. 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 product 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.

#### Skin and body protection:

Follow label directions. Skin and body protection is not normally necessary when this product is used according to product 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.

#### Respiratory protection:

Follow label directions. Respiratory protective equipment is not normally necessary when this product is used according to product 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.

#### 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

### Information on basic physical and chemical properties

<b>Physical state:</b>	Liquid	<b>Odor:</b>	Citrus
<b>Appearance:</b>	Clear	<b>Odor threshold:</b>	No information available
<b>Color:</b>	Blue		
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
<b>pH:</b>	9.5 - 11.0		
<b>Melting point/freezing point:</b>		No information available	
<b>Boiling point/boiling range:</b>		No information available	
<b>Flash point:</b>	61 °C / 142 °F	Setaflash Closed Cup Tester	
		Does not sustain combustion per ASTM D4206.	
<b>Evaporation rate:</b>		No information available	
<b>Flammability (solid, gas):</b>		No information available	
<b>Flammability limit in air:</b>			
<b>Upper flammability limit:</b>			
<b>Lower flammability limit:</b>			
<b>Vapor pressure:</b>		No information available	
<b>Vapor density:</b>		No information available	
<b>Specific gravity:</b>	0.990 - 1.010		
<b>Water solubility:</b>		No information available	
<b>Solubility(ies):</b>		No information available	
<b>Partition coefficient</b>		No information available	
<b>Autoignition temperature:</b>		No information available	
<b>Decomposition temperature:</b>		No information available	
<b>Kinematic viscosity:</b>		No information available	
<b>Dynamic viscosity:</b>			
<b>Explosive properties:</b>	No information available		
<b>Oxidizing properties:</b>	No information available		
<b>Softening point:</b>	No information available		
<b>Molecular weight:</b>	No information available		
<b>VOC content (%):</b>	No information available		
<b>Density:</b>	No information available		
<b>Bulk density:</b>	No information available		

## 10. STABILITY AND REACTIVITY

### Reactivity

No data available.

### Chemical stability

#### **Stability:**

Stable under normal conditions.

#### **Sensitivity to mechanical impact:**

None.

#### **Sensitivity to static discharge:**

May be ignited by heat, sparks or flames.

### Possibility of hazardous reactions

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

### Conditions to avoid

Heat, flames and sparks. Keep out of reach of children.

**Incompatible materials:**

Not determined.

**Hazardous decomposition products**

Not determined.

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

**Aggravated medical conditions:** Exposure to this product may aggravate pre-existing skin, eye, and respiratory disorders.

**Principle routes of exposure:** Eye contact, skin contact

- Inhalation:** May cause irritation of respiratory tract. See additional information below.
- Eye contact:** Avoid contact with eyes. May cause slight irritation.
- Skin contact:** Contact with undiluted product can cause mild skin irritation. Patch test on human volunteers did not demonstrate sensitization properties.
- Ingestion:** Ingestion of this product can cause irritation of the mouth and throat, upset stomach, nausea, vomiting and diarrhea.

**Further information:** Inhalation of vapors or skin contact with 1-methoxy-2-propanol can cause respiratory tract irritation, headache, nausea, dizziness and drowsiness. Liver and kidney effects have been noted in experimental animals. Inhalation of vapors or skin contact with 1-butoxy-2-propanol can cause central nervous system effects. Observations in animals showed increased liver size following repeated exposure. Prolonged or widespread skin exposure may result in the absorption of harmful amounts.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
2-Propanol, 1-methoxy-107-98-2	= 5000 mg/kg ( Rat )	= 13 g/kg ( Rabbit )	> 7559 ppm ( Rat ) 6 h
2-Propanol, 1-butoxy-5131-66-8	= 1900 mg/kg ( Rat ) = 5660 µL/kg ( Rat )	= 3100 mg/kg ( Rabbit )	-

**Information on toxicological effects**

**Symptoms:** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

- Skin corrosion/irritation** Mild skin irritation.
- Serious eye damage/eye irritation** May cause eye irritation.
- Sensitization:** Patch test on human volunteers did not demonstrate sensitization properties.
- Germ cell mutagenicity:** None known.
- Carcinogenicity:** The table below indicates whether each agency has listed any ingredient as a carcinogen

Chemical Name	ACGIH	IARC (International Agency for Research on Cancer)	NTP	OSHA
2-Propanol, 1-methoxy-107-98-2	A4 - Not Classifiable as a Human Carcinogen	-	-	-

*Legend*

ACGIH (American Conference of Governmental Industrial Hygienists) A4 - Not Classifiable as a Human Carcinogen  
IARC (International Agency for Research on Cancer)  
NTP (National Toxicology Program)  
OSHA (Occupational Safety and Health Administration of the US Department of Labor)

**Reproductive toxicity:** This product does not contain any known or suspected reproductive hazards.  
**STOT - single exposure:** None under normal use conditions.  
**STOT - repeated exposure:** None under normal use conditions.  
**Aspiration hazard:** No hazard from product as supplied.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

This product is not classified as dangerous for the environment.

Chemical Name	Algae/aquatic plants	Fish	Crustacea
2-Propanol, 1-methoxy- 107-98-2	-	4600 - 10000: 96 h Leuciscus idus mg/L LC50 static 20.8: 96 h Pimephales promelas g/L LC50 static	23300: 48 h Daphnia magna mg/L EC50

### Persistence and degradability

Readily biodegradable.

### Bioaccumulation

Chemical Name	Partition coefficient
2-Propanol, 1-methoxy- 107-98-2	-0.437

### Mobility in soil

No information available.

### Other adverse effects

No information available

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

**Disposal of wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging:** Dispose of in accordance with federal, state and local regulations.

## 14. TRANSPORT INFORMATION

This product has been tested against the UN protocol used to classify transportation hazards and it does not meet the definition of a dangerous good in transport. Does not sustain combustion per ASTM D4206.

**DOT:**

UN/ID No.: Not regulated  
Proper shipping name: Not regulated  
Hazard class: Not regulated  
Packing group: Not applicable

**IMDG/ADR:**

UN/ID No.: Not regulated  
Proper shipping name: Not regulated  
Hazard class: Not regulated  
Packing group: Not applicable  
Marine pollutant: Not applicable

**ICAO/IATA:**

UN/ID No.: Not regulated  
Proper shipping name: Not regulated  
Hazard class: Not regulated  
Packing group: Not applicable  
Marine pollutant: 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

**EPA RCRA Hazardous Waste Classification:** Not applicable

## 16. OTHER INFORMATION

**Key or legend to abbreviations and acronyms used in the safety data sheet**

TWA - TWA (Time-Weighted Average)  
STEL - STEL (Short Term Exposure Limit)  
ACGIH (American Conference of Governmental Industrial Hygienists)  
EPA (Environmental Protection Agency)  
RCRA (Resource Conservation and Recovery Act)

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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):** None



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