SAFETY DATA SHEET

1. IDENTIFICATION

Product identifier

Product name: Amway Home™ Kitchen Cleaner Refill - Concentrated Kitchen Cleaner Refill

Other means of identification

Product code: 109857, 112536
Synonyms: AMWAY HOME™ L.O.C.™ Kitchen Cleaner
Legacy of Clean™ Kitchen Cleaner Refill - Concentrated Kitchen Cleaner Refill

Recommended use of the chemical and restrictions on use

Recommended use: Hard surface cleaner for kitchens.
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
ChemTrec @ 1-800-424-9300

Emergencies:


2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status
This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

<table>
<thead>
<tr>
<th>Serious eye damage/eye irritation</th>
<th>Category 2A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammable liquids</td>
<td>Category 4</td>
</tr>
</tbody>
</table>

Label elements
Warning

**Hazard statements:**
Causes serious eye irritation
Combustible liquid

**Precautionary Statements - Prevention**
Wash face, hands and any exposed skin thoroughly after handling
Keep away from heat and sparks - No Smoking

**Precautionary Statements - Response**

**Eyes**
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention

**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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Common Name</th>
<th>CAS No</th>
<th>Weight-%</th>
<th>Trade secret</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Propanol,</td>
<td>Glycol ether</td>
<td>29911-28-2</td>
<td>5-10</td>
<td>*</td>
</tr>
<tr>
<td>1-(2-butoxy-1-methylethoxy)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-Propanol, 1-butoxy-</td>
<td>Glycol ether</td>
<td>5131-66-8</td>
<td>1-5</td>
<td>*</td>
</tr>
<tr>
<td>D-Glucopyranose, oligomeric, decyl octyl glycosides</td>
<td>Surfactant</td>
<td>68515-73-1</td>
<td>1-5</td>
<td>*</td>
</tr>
<tr>
<td>Sodium Lauryl Ether Sulfate</td>
<td>Sodium laureth sulfate</td>
<td>68585-34-2</td>
<td>1-5</td>
<td>*</td>
</tr>
<tr>
<td>Sodium carbonate</td>
<td>Sodium carbonate</td>
<td>497-19-8</td>
<td>1-5</td>
<td>*</td>
</tr>
<tr>
<td>1-Octanesulfonic acid, sodium salt</td>
<td>Surfactant</td>
<td>5324-84-5</td>
<td>1-5</td>
<td>*</td>
</tr>
</tbody>
</table>

*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. Get medical advice if symptoms develop.

**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:
Avoid contact with skin and eyes. Keep away from heat and sources of ignition. Do not smoke.

General hygiene considerations:
Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage conditions: Keep out of the reach of children. Store in a well-ventilated place. Keep cool. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

Incompatible products:

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:
This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state:</td>
<td>Liquid</td>
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</tr>
<tr>
<td>Appearance:</td>
<td>Clear</td>
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<tr>
<td>Color:</td>
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</tr>
<tr>
<td>Odor:</td>
<td>Citrus</td>
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<tr>
<td>Odor threshold:</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
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<td>pH:</td>
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<td>Melting point/freezing point:</td>
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<td>Boiling point/boiling range:</td>
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<tr>
<td>Flash point:</td>
<td>63 °C / 145 °F</td>
<td>Setaflash Closed Cup Tester Does not sustain combustion per ASTM D4206.</td>
</tr>
<tr>
<td>Evaporation rate:</td>
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<td></td>
</tr>
<tr>
<td>Flammability (solid, gas):</td>
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<td></td>
</tr>
<tr>
<td>Flammability limit in air:</td>
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<td></td>
</tr>
<tr>
<td>Upper flammability limit:</td>
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<td></td>
</tr>
<tr>
<td>Lower flammability limit:</td>
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<tr>
<td>Vapor pressure:</td>
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<tr>
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<td>Water solubility:</td>
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<tr>
<td>Partition coefficient:</td>
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</tr>
<tr>
<td>Autoignition temperature:</td>
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<td></td>
</tr>
<tr>
<td>Decomposition temperature:</td>
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<tr>
<td>Kinematic viscosity:</td>
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</tr>
<tr>
<td>Dynamic viscosity:</td>
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</tr>
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<td>Explosive properties:</td>
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<td>Oxidizing properties:</td>
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<tr>
<td>Softening point:</td>
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<td>Molecular weight:</td>
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<td>VOC content (%):</td>
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<tr>
<td>Density:</td>
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<td></td>
</tr>
<tr>
<td>Bulk density:</td>
<td>No information available</td>
<td></td>
</tr>
</tbody>
</table>
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:** Inhalation of vapors or mists may cause irritation of the upper respiratory tract. See additional information below.

**Eye contact:** Avoid contact with eyes. Moderately irritating to the eyes.

**Skin contact:** Avoid contact with skin. 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-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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Propanol, 1-(2-butoxy-1-methylethoxy)-</td>
<td>= 1620 µL/kg (Rat)</td>
<td>= 5860 µL/kg (Rabbit)</td>
<td>= 42.1 ppm (Rat) 4 h</td>
</tr>
</tbody>
</table>
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 Moderate eye irritation.
Sensitization: Patch test on human volunteers did not demonstrate sensitization properties.
Germ cell mutagenicity: None known.
Carcinogenicity: None known.

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

12. ECOLOGICAL INFORMATION

Ecotoxicity

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Propanol, 1-butoxy-5131-66-8</td>
<td>-</td>
<td>841: 96 h Poecilia reticulata mg/L LC50 static</td>
<td>-</td>
</tr>
<tr>
<td>Sodium carbonate 497-19-8</td>
<td>242: 120 h Nitzchia mg/L EC50</td>
<td>310 - 1220: 96 h Pimephales promelas mg/L LC50 static</td>
<td>265: 48 h Daphnia magna mg/L EC50</td>
</tr>
</tbody>
</table>

Persistence and degradability

Readily biodegradable.

Bioaccumulation

No information available

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: Only empty packaging can be recycled.

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)

SECTION 11: TOXICOLOGICAL INFORMATION

Rat - Rat
Rabbit - Rabbit
Guinea Pig - Guinea Pig

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, Access Business Group LLC makes 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 SDS is the most current SDS 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. Access Business Group LLC assumes 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): None

***END OF SAFETY DATA SHEET***