



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 Emergencies: ChemTrec @ 1-800-424-9300

Emergency Telephone Number: For Amway Product Health and Safety Information: 1-616-787-6307 (24-hour number).

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

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

Serious eye damage/eye irritation	Category 2A
Flammable liquids	Category 4

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

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

*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

Physical state:	Liquid	Odor:	Citrus
Appearance:	Clear	Odor threshold:	No information available
Color:	Green		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH:	10.4 - 11.0	
Melting point/freezing point:		No information available
Boiling point/boiling range:		No information available
Flash point:	63 °C / 145 °F	Setaflash Closed Cup Tester Does not sustain combustion per ASTM D4206.
Evaporation rate:		No information available
Flammability (solid, gas):		No information available
Flammability limit in air:		
Upper flammability limit:		
Lower flammability limit:		
Vapor pressure:		No information available
Vapor density:		No information available
Specific gravity:	1.010 - 1.030	
Water solubility:		No information available
Solubility(ies):		No information available
Partition coefficient		No information available
Autoignition temperature:		No information available
Decomposition temperature:		No information available
Kinematic viscosity:		No information available
Dynamic viscosity:		
Explosive properties:	No information available	
Oxidizing properties:	No information available	
Softening point:	No information available	
Molecular weight:	No information available	
VOC content (%):	No information available	
Density:	No information available	
Bulk density:	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: 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

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
2-Propanol, 1-(2-butoxy-1-methylethoxy)-	= 1620 µL/kg (Rat)	= 5860 µL/kg (Rabbit)	= 42.1 ppm (Rat) 4 h

29911-28-2			
2-Propanol, 1-butoxy- 5131-66-8	= 1900 mg/kg (Rat) = 5660 μL/kg (Rat)	= 3100 mg/kg (Rabbit)	-
Sodium carbonate 497-19-8	= 4090 mg/kg (Rat)	-	= 2300 mg/m ³ (Rat) 2 h

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

Chemical Name	Algae/aquatic plants	Fish	Crustacea
2-Propanol, 1-(2-butoxy-1-methylethoxy)- 29911-28-2	-	841: 96 h Poecilia reticulata mg/L LC50 static	-
Sodium carbonate 497-19-8	242: 120 h Nitzschia mg/L EC50	310 - 1220: 96 h Pimephales promelas mg/L LC50 static 300: 96 h Lepomis macrochirus mg/L LC50 static	265: 48 h Daphnia magna mg/L EC50

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*****