



## SAFETY DATA SHEET



### 1. IDENTIFICATION

#### Product identifier

**Product name:** Legacy of Clean™ Dish Drops™ Dishwashing Liquid - Original

#### Other means of identification

**Product code:** 110488, 107889

**Synonyms:** AMWAY HOME™ DISH DROPS™ Concentrated Dishwashing Liquid

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

**Recommended use:** Hand dishwashing detergent. Consumer use.

**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

##### **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

#### Label elements



**Warning**

**Hazard statements:**

Causes serious eye irritation

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling

Wear eye/face protection

**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

**Hazards not otherwise classified (HNOC)**

Not applicable

**Other Information**

• Not applicable

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	Common Name	CAS #	Weight %	Trade secret
Sodium Lauryl Ether Sulfate	Sodium laureth sulfate	68585-34-2	10-20	*
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., inner salts	Surfactant	61789-40-0	5-10	*
Poly(oxy-1,2-ethanediyl) alpha-octyl-omega-hydroxy-	Surfactant	27252-75-1	1-5	*
Ethanol	Alcohol	64-17-5	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.

- 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**

No special exposure hazards are known.

**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:**  
No special collection methods required. 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 eyes. No special technical protective measures required. Special handling procedures are not normally necessary.

**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. No special restrictions on storage with other products.

**Incompatible materials:**

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
Ethanol 64-17-5			1000 ppm	

Chemical Name	OSHA TWA	OSHA-Table Z-3 Mineral Dust	OSHA CEILING	OSHA - Skin Notations
Ethanol 64-17-5	1000 ppm 1900 mg/m <sup>3</sup>			

**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.



### Reactivity

No data available.

### Chemical stability

**Stability:**

Stable under normal conditions.

**Sensitivity to mechanical impact:**

None.

**Sensitivity to static discharge:**

None.

### 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

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:** Moderately irritating to the eyes.

**Skin contact:** This product is not a skin irritant and did not cause skin allergy in predictive patch tests.

**Ingestion:** Ingestion of this product can cause irritation of the mouth and throat, upset stomach, nausea, vomiting and diarrhea.

**Further information:** Inhalation overexposure to ethanol vapors can cause headache, nausea, dizziness and drowsiness. Studies in laboratory animals involving prolonged and repeated inhalation exposures to ethanol resulted in liver damage. Prolonged and repeated oral dosing of laboratory animals has caused mutagenic and developmental toxicity. The International Agency for Research on Cancer (IARC) has reported ethanol to be carcinogenic (based on chronic ingestion of alcoholic beverages).

### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
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1-Propanaminium, 3-amino-N-(carboxymethyl)-N, N-dimethyl-, N-coco acyl derivs., inner salts 61789-40-0	= 4900 mg/kg ( Rat )	-	-
Ethanol 64-17-5	= 7060 mg/kg ( Rat )	-	= 124.7 mg/L ( Rat ) 4 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** Non-irritating to the skin.  
**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:** Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage

Chemical Name	ACGIH	IARC (International Agency for Research on Cancer)	NTP	OSHA
Ethanol 64-17-5	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans	Group 1	Known	X

*Legend*

*ACGIH (American Conference of Governmental Industrial Hygienists) A3 - Animal Carcinogen*  
*IARC (International Agency for Research on Cancer) Group 1 - Carcinogenic to Humans*  
*NTP (National Toxicology Program) Known - Known Carcinogen*  
*OSHA (Occupational Safety and Health Administration of the US Department of Labor) X - Present*

**Reproductive toxicity:** Contains a known or suspected reproductive toxin. Ethanol has been shown to be a reproductive toxin only when consumed as an alcoholic beverage.  
**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**

Chemical Name	Algae/aquatic plants	Fish	Crustacea
1-Propanaminium, 3-amino-N-(carboxymethyl)-N, N-dimethyl-, N-coco acyl derivs., inner salts 61789-40-0	1.0 - 10.0: 72 h Desmodesmus subspicatus mg/L EC50 0.55: 96 h Desmodesmus subspicatus mg/L EC50	1.0 - 10.0: 96 h Brachydanio rerio mg/L LC50 2: 96 h Brachydanio rerio mg/L LC50 semi-static	6.5: 48 h Daphnia magna mg/L EC50
Ethanol 64-17-5	-	12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static 100: 96 h Pimephales promelas mg/L LC50 static 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through	9268 - 14221: 48 h Daphnia magna mg/L LC50 2: 48 h Daphnia magna mg/L EC50 Static 10800: 24 h Daphnia magna mg/L EC50

**Persistence and degradability**

Readily biodegradable.

**Bioaccumulation**

Chemical Name	Partition coefficient
Ethanol 64-17-5	-0.32

**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.

**DOT:**

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

**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 regulated  
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):** 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16

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