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

ChemTrec @ 1-800-424-9300

Emergency: 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

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

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### 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.

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### 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.

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### 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:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TWA</th>
<th>ACGIH STEL</th>
<th>ACGIH CEILING</th>
<th>ACGIH - Skin Absorption Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol 64-17-5</td>
<td></td>
<td></td>
<td>1000 ppm</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>OSHA TWA</th>
<th>OSHA-Table Z-3 Mineral Dust</th>
<th>OSHA CEILING</th>
<th>OSHA - Skin Notations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol 64-17-5</td>
<td>1000 ppm</td>
<td>1900 mg/m³</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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: Liquid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Appearance: Clear; Viscous</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color: Green</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Odor: Citrus</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Odor threshold: No information available</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH: 6.0 - 6.9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Melting point/freezing point: Clear; Viscous</td>
<td></td>
<td></td>
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<tr>
<td>Boiling point/boiling range:</td>
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<td>Flash point: No information available</td>
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<tr>
<td>Evaporation rate:</td>
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<td></td>
</tr>
<tr>
<td>Flammability (solid, gas): No information available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flammability limit in air:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper flammability limit: No information available</td>
<td></td>
<td></td>
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<tr>
<td>Lower flammability limit:</td>
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<td></td>
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<tr>
<td>Vapor pressure: No information available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapor density: No information available</td>
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<td></td>
</tr>
<tr>
<td>Specific gravity: 1.030 - 1.055</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water solubility: No information available</td>
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</tr>
<tr>
<td>Solubility(ies): No information available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Partition coefficient: No information available</td>
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<td></td>
</tr>
<tr>
<td>Autoignition temperature: No information available</td>
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<td></td>
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<tr>
<td>Decomposition temperature: No information available</td>
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</tr>
<tr>
<td>Kinematic viscosity: No information available</td>
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</tr>
<tr>
<td>Dynamic viscosity: No information available</td>
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<td>Explosive properties: No information available</td>
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<td>Oxidizing properties: No information available</td>
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<tr>
<td>Softening point: No information available</td>
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<td></td>
</tr>
<tr>
<td>Molecular weight: No information available</td>
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<td></td>
</tr>
<tr>
<td>VOC content (%): No information available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Density: No information available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bulk density: No information available</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY
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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
</table>

Page 6 of 9
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 an alcoholic beverage.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>IARC (International Agency for Research on Cancer)</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol 64-17-5</td>
<td>A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans</td>
<td>Group 1</td>
<td>Known</td>
<td>X</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Propanaminium, 3-amino-N-(carboxymethyl)-N, N-dimethyl-, N-coco acyl derivs., inner salts 61789-40-0</td>
<td>1.0 - 10.0: 72 h Desmodesmus subspicatus mg/L EC50 0.55; 96 h Desmodesmus subspicatus mg/L EC50</td>
<td>1.0 - 10.0: 96 h Brachydanio rerio mg/L LC50 2: 96 h Brachydanio rerio mg/L LC50 semi-static</td>
<td>6.5: 48 h Daphnia magna mg/L EC50</td>
</tr>
<tr>
<td>Ethanol 64-17-5</td>
<td>-</td>
<td>12.0 - 16.0: 48 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</td>
<td>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</td>
</tr>
</tbody>
</table>
Persistence and degradability

Readily biodegradable.

Bioaccumulation

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Partition coefficient</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol 64-17-5</td>
<td>-0.32</td>
</tr>
</tbody>
</table>

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

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

***END OF SAFETY DATA SHEET***