SAFETY DATA SHEET

1. IDENTIFICATION

Product identifier

Product name: Legacy of Clean™ SA8™ Laundry Detergent - Ultra-concentrated Laundry Detergent

Other means of identification

Product code: 109848, 109849, 107858

Synonyms: Amway Home™ SA8™ Premium Concentrated Laundry Detergent

Recommended use of the chemical and restrictions on use

Recommended use: Laundry detergent

Uses advised against: No information available

Details of the supplier of the safety data sheet

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 1

Label elements
DANGER

Hazard statements:
Causes serious eye damage

Precautionary Statements - Prevention
Wear eye/face protection
Wash hands thoroughly after handling

Precautionary Statements - Response

Eye
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing Immediately call a POISON CENTER or doctor/physician

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)
Not applicable

Other Information
• Toxic to aquatic life

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 carbonate</td>
<td>Sodium carbonate</td>
<td>497-19-8</td>
<td>50-60</td>
<td>*</td>
</tr>
<tr>
<td>Alcohols, C10-16, ethoxylated</td>
<td>Surfactant</td>
<td>68002-97-1</td>
<td>20-30</td>
<td>*</td>
</tr>
<tr>
<td>1,2,3-Propanetricarboxylic acid, 2-hydroxy-</td>
<td>Organic acid</td>
<td>77-92-9</td>
<td>5-10</td>
<td>*</td>
</tr>
<tr>
<td>2-Butenedioic acid (2E)-</td>
<td>Fumaric acid</td>
<td>110-17-8</td>
<td>1-5</td>
<td>*</td>
</tr>
<tr>
<td>Silica gel, precipitated, crystalline free</td>
<td>Amorphous silica</td>
<td>112926-00-8</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 IMMEDIATE 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. Wash hands thoroughly after handling.

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

Conditions for safe storage, including any incompatibilities

Storage conditions: Keep in a dry place

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:

<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>Silica gel, precipitated, crystalline free 112926-00-8</td>
<td></td>
<td>20 mppcf</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:</td>
<td>Powder</td>
<td></td>
</tr>
<tr>
<td>Appearance:</td>
<td>Granular</td>
<td></td>
</tr>
<tr>
<td>Color:</td>
<td>White with colored specks</td>
<td></td>
</tr>
<tr>
<td>Odor:</td>
<td>Citrus</td>
<td></td>
</tr>
<tr>
<td>Odor threshold:</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>pH:</td>
<td>10.0 - 10.5</td>
<td>Solution (1 %)</td>
</tr>
<tr>
<td>Melting point/freezing point:</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Boiling point/boiling range:</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Flash point:</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Evaporation rate:</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Flammability (solid, gas):</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Flammability limit in air:</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Upper flammability limit:</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Lower flammability limit:</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Vapor pressure:</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Vapor density:</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Specific gravity:</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Water solubility:</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Solubility(ies):</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Autoignition temperature:</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Decomposition temperature:</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Kinematic viscosity:</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Dynamic viscosity:</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Explosive properties:</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Oxidizing properties:</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Softening point:</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Molecular weight:</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>VOC content (%):</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Density:</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Bulk density:</td>
<td>0.69 - 0.81 g/cc</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**
Humidity. 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 dust in high concentration may cause irritation of respiratory system.
- **Eye contact:** Avoid contact with eyes. Severely irritating to eyes.
- **Skin contact:** Prolonged contact may cause redness and 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.

**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>Sodium carbonate 497-19-8</td>
<td>= 4090 mg/kg (Rat)</td>
<td>-</td>
<td>= 2300 mg/m³ (Rat) 2 h</td>
</tr>
<tr>
<td>Alcohols, C10-16, ethoxylated 68002-97-1</td>
<td>1900 mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>1,2,3-Propanetricarboxylic acid, 2-hydroxy-77-92-9</td>
<td>= 3 g/kg (Rat) = 3000 mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>2-Butenedioic acid (2E)-110-17-8</td>
<td>&gt; 9300 mg/kg (Rat)</td>
<td>&gt; 20000 mg/kg (Rabbit)</td>
<td>-</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** Prolonged contact may cause redness and irritation.
Serious eye damage/eye irritation: Risk of serious damage to eyes.
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

<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>Silica gel, precipitated, crystalline free</td>
<td>-</td>
<td>Group 3</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>112926-00-8</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Legend
ACGIH (American Conference of Governmental Industrial Hygienists)
IARC (International Agency for Research on Cancer) Group 3 - Not Classifiable as to Carcinogenicity in Humans
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: Inhalation of dust in high concentration may cause irritation of respiratory system.
STOT - repeated exposure: None known.
Aspiration hazard: No hazard from product as supplied.

12. ECOLOGICAL INFORMATION

Ecotoxicity
Toxic to aquatic life. Aquatic Toxicity (Acute): Aquatic Acute 2.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium carbonate 497-19-8</td>
<td>242: 120 h Nitzschia mg/L EC50</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>310 - 1220: 96 h Pimephales promelas mg/L LC50 static</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>300: 96 h Lepomis macrochirus mg/L LC50 static</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alcohols, C10-16, ethoxylated 68002-97-1</td>
<td>-</td>
<td>-</td>
<td>265: 48 h Daphnia magna mg/L EC50</td>
</tr>
<tr>
<td>1,2,3-Propanetricarboxylic acid, 2-hydroxy-77-92-9</td>
<td>-</td>
<td>1516: 96 h Lepomis macrochirus mg/L LC50 static</td>
<td></td>
</tr>
<tr>
<td>2-Butenedioic acid (2E)-110-17-8</td>
<td>41: 72 h Desmodesmus subspicatus mg/L EC50</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>245: 48 h Brachydanio rero mg/L LC50 static</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>204 - 220: 48 h Daphnia magna mg/L EC50 73.6: 24 h Daphnia magna mg/L EC50</td>
<td></td>
<td></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>1,2,3-Propanetricarboxylic acid, 2-hydroxy-77-92-9</td>
<td>-1.72</td>
</tr>
<tr>
<td>2-Butenedioic acid (2E)-110-17-8</td>
<td>0.33</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:**
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.

**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)

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): 2, 3, 8, 11

***END OF SAFETY DATA SHEET***