



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

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

Product information	Manufacturer
Amway Corp. (58C-2A) 7575 Fulton Street East Ada, MI 49355 USA Tel: 1-800-253-6500	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)

Acute toxicity - Oral	Category 4
Serious eye damage/eye irritation	Category 1
Respiratory sensitization	Category 1

Label elements



DANGER

Hazard statements:

Harmful if swallowed
Causes serious eye damage
May cause allergy or asthma symptoms or breathing difficulties if inhaled

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Wear eye/face protection
Avoid breathing dust

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 Immediately call a POISON CENTER or doctor/physician

Inhalation:

IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing
If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician

Ingestion

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
Rinse mouth

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

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 carbonate	Sodium carbonate	497-19-8	50-60	*
Alcohols, C10-16, ethoxylated	Surfactant	68002-97-1	20-30	*
1,2,3-Propanetricarboxylic acid, 2-hydroxy-	Organic acid	77-92-9	5-10	*
2-Butenedioic acid (2E)-	Fumaric acid	110-17-8	1-5	*
Silica gel, precipitated, crystalline free	Amorphous silica	112926-00-8	1-5	*
Subtilisin	Enzyme	9014-01-1	<1	*

*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. 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
Subtilisin 9014-01-1			0.00006 mg/m ³	

Chemical Name	OSHA TWA	OSHA-Table Z-3 Mineral Dust	OSHA CEILING	OSHA - Skin Notations
Silica gel, precipitated, crystalline free 112926-00-8		20 mppcf		

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:	Powder	Odor:	Citrus
Appearance:	Granular	Odor threshold:	No information available
Color:	White with colored specks		
<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>	
pH:	10.0 - 10.5	Solution (1 %)	
Melting point/freezing point:		No information available	
Boiling point/boiling range:		No information available	
Flash point:		No information available	
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:		No information available	
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: 0.69 - 0.81 g/cc

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: May cause irritation. May cause sensitization by inhalation. See additional information below.

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.

Further information: Repeated inhalation overexposure to enzyme dust can result in sensitization and allergic response in susceptible individuals.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium carbonate 497-19-8	= 4090 mg/kg (Rat)	-	= 2300 mg/m ³ (Rat) 2 h
1,2,3-Propanetricarboxylic acid, 2-hydroxy- 77-92-9	= 3 g/kg (Rat) = 3000 mg/kg (Rat)	-	-
2-Butenedioic acid (2E)- 110-17-8	= 9300 mg/kg (Rat)	> 20000 mg/kg (Rabbit)	-
Subtilisin 9014-01-1	= 3700 mg/kg (Rat)	-	-

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. Repeated inhalation overexposure to enzyme dust can result in sensitization and allergic response in susceptible individuals.
Germ cell mutagenicity: None known.
Carcinogenicity: None known

Chemical Name	ACGIH	IARC (International Agency for Research on Cancer)	NTP	OSHA
Silica gel, precipitated, crystalline free 112926-00-8	-	Group 3	-	-

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: None known.
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.

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Sodium carbonate 497-19-8	242: 120 h Nitzschia mg/L EC50	300: 96 h Lepomis macrochirus mg/L LC50 static 310 - 1220: 96 h Pimephales promelas mg/L LC50 static	265: 48 h Daphnia magna mg/L EC50
Alcohols, C10-16, ethoxylated 68002-97-1	-	-	0.6: 48 h Daphnia magna mg/L EC50

1,2,3-Propanetricarboxylic acid, 2-hydroxy- 77-92-9	-	1516: 96 h Lepomis macrochirus mg/L LC50 static	120: 72 h Daphnia magna mg/L EC50
2-Butenedioic acid (2E)- 110-17-8	41: 72 h Desmodesmus subspicatus mg/L EC50	245: 48 h Brachydanio rerio mg/L LC50 static	204 - 220: 48 h Daphnia magna mg/L EC50 73.6: 24 h Daphnia magna mg/L EC50

Persistence and degradability

Readily biodegradable.

Bioaccumulation

Chemical Name	Partition coefficient
1,2,3-Propanetricarboxylic acid, 2-hydroxy- 77-92-9	-1.72
2-Butenedioic acid (2E)- 110-17-8	0.33

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): None

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