



SAFETY DATA SHEET



1. IDENTIFICATION

Product identifier

Product name: Amway Home™ SA8® Laundry Detergent - Concentrated Laundry Detergent - Floral

Other means of identification

Product code: 110477, 110478, 112532, 119891

Synonyms: Legacy of Clean™ SA8™ Laundry Detergent - Floral

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
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 chemical is considered hazardous by the 2012 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 protective gloves/protective clothing/eye protection/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 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

- May be harmful if swallowed
- Toxic to aquatic life

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Common Name	CAS No	Weight-%	Trade secret
Alcohols, C10-16, ethoxylated	Surfactant	68002-97-1	30-40	*
Potassium Cocoate	-	61789-30-8	5-10	*
2,4-Pentanediol, 2-methyl-	Hexylene glycol	107-41-5	1-5	*
Alcohols, C12-14, ethoxylated propoxylated	Surfactant	68439-51-0	1-5	*
Glycerin	Glycerin	56-81-5	1-5	*
Sodium tetraborate decahydrate	Sodium borate	1303-96-4	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.

General hygiene considerations:

Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage conditions: Store at temperatures not exceeding 32 °C/ 90 °F

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:

Chemical Name	ACGIH TWA	ACGIH STEL	ACGIH CEILING	ACGIH - Skin Absorption Designation
2,4-Pentanediol, 2-methyl- 107-41-5	25 ppm		50 ppm 10 mg/m ³	
Sodium tetraborate decahydrate 1303-96-4	2 mg/m ³	6 mg/m ³	6 mg/m ³	

Chemical Name	OSHA TWA	OSHA-Table Z-3 Mineral Dust	OSHA CEILING	OSHA - Skin Notations
Glycerin 56-81-5	15 mg/m ³ mist, total particulate 5 mg/m ³ mist, respirable fraction			

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:	Floral
Appearance:	Viscous	Odor threshold:	No information available
Color:	Blue		
Property	Values	Remarks • Method	
pH:		No information available	
Melting point/freezing point:		No information available	
Boiling point/boiling range:		No information available	
Flash point:	> 93.3 °C / > 200 °F	Setaflash Closed Cup Tester	
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:	0.920 - 1.060		
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:

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: No known effect.

Eye contact: Avoid contact with eyes. Severely irritating to eyes.

Skin contact: Contact with undiluted product can cause mild skin irritation. Patch test on human volunteers did not demonstrate sensitization properties.

Ingestion: May be harmful if swallowed. Ingestion of this product can cause irritation of the mouth and throat, upset stomach, nausea, vomiting and diarrhea.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Alcohols, C10-16, ethoxylated 68002-97-1	1900 mg/kg (Rat)	-	-
2,4-Pentenediol, 2-methyl- 107-41-5	= 3700 mg/kg (Rat)	= 12300 mg/kg (Rabbit) = 8560 µL/kg (Rabbit)	> 310 mg/m ³ (Rat) 1 h
Alcohols, C12-14, ethoxylated	= 3530 mg/kg (Rat)	-	-

propoxylated 68439-51-0			
Glycerin 56-81-5	= 12600 mg/kg (Rat)	> 10 g/kg (Rabbit)	> 570 mg/m ³ (Rat) 1 h
Sodium tetraborate decahydrate 1303-96-4	= 2660 mg/kg (Rat) = 3493 mg/kg (Rat)	> 10000 mg/kg (Rabbit)	> 2 mg/m ³ (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 Mild skin 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

Chemical Name	ACGIH	IARC (International Agency for Research on Cancer)	NTP	OSHA
Sodium tetraborate decahydrate 1303-96-4	A4 - Not Classifiable as a Human Carcinogen (listed under Borate compounds, inorganic)	Group 2A	-	-

Legend

ACGIH (American Conference of Governmental Industrial Hygienists) A4 - Not Classifiable as a Human Carcinogen
IARC (International Agency for Research on Cancer) Group 2A - Probably Carcinogenic to 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

EC50>1 mg/L (fish, daphnia, algae). Data obtained on this product or a similar product

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Alcohols, C10-16, ethoxylated 68002-97-1	-	-	0.6: 48 h Daphnia magna mg/L EC50
2,4-Pentenediol, 2-methyl- 107-41-5	-	10500 - 11000: 96 h Pimephales promelas mg/L LC50 flow-through 10000: 96 h Lepomis macrochirus mg/L LC50 static 10700: 96 h Pimephales promelas mg/L LC50 static 8690: 96 h Pimephales promelas mg/L LC50 flow-through	2700 - 3700: 48 h Daphnia magna mg/L EC50

Glycerin 56-81-5	-	51 - 57: 96 h Oncorhynchus mykiss mL/L LC50 static	500: 24 h Daphnia magna mg/L EC50
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Persistence and degradability

Readily biodegradable.

Bioaccumulation

Chemical Name	Partition coefficient
2,4-Pentanediol, 2-methyl- 107-41-5	0.14
Glycerin 56-81-5	-1.76

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)
WEL - Workplace Exposure Limit

SECTION 11: TOXICOLOGICAL INFORMATION

Rat - Rat
Rabbit - Rabbit
Guinea Pig - Guinea Pig

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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

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