

SECTION 1: IDENTIFICATION

1.1 Product identifier

Brand Evolve®
Trade Name Fruit & Vegetable Wash



Nonfood Compounds
Program Listed: 3D
151125

1.2 Product Use

Identified Use NSF®-certified produce wash for restaurants, factories, and food processing facilities.

1.3 Manufacturer/Supplier

Company Agaia, Inc.
Address 200 East Broward Blvd, Suite 1100
Fort Lauderdale, FL 33301
Telephone (954) 366-7200
Email MSDS@AgaiaInc.com

1.4 Emergency telephone number

Emergency Phone CHEMTREC: 1-800-424-9300

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

2.1.1 GHS Classifications and Regulation (EC) No. 1272/2008 (CLP)

Not hazardous according to GHS-compliant regulations in the USA, Japan, as well as the UN model regulations.
Not Hazardous according to Directives 1272/2008/EC and 1907/2006/EC.

2.1.2 Directive 67/548/EEC & Directive 1999/45/EC

Not Hazardous according to Directives 67/548/EEC and 1999/45/EC

2.2 Label elements

2.2.1 Label elements According GHS Classifications and Regulation (EC) No. 1272/2008 (CLP)

Hazard Pictogram(s) NONE

Signal Word NONE

Hazard Statement NONE

Precautionary Statements P305+P351+P338 - IF IN EYES: Rinse eyes with water for several minutes. Remove contact lenses if present and easy to do— continue rinsing.

2.3 Other hazards

Other hazards not contributing to the classification: NONE

2.4 Additional Information

No fragrance added

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 GHS Classification (EC Classification No. 689/2008/EC)

Hazardous Ingredients	Common Name	CAS No.	EC No.	%W/W
No hazardous ingredients in reportable quantities under USA, Canada, EU, and UN regulations are present in this product.				
Non-Hazardous Ingredients	Common Name	CAS No.	EC No.	
D-Glucopyranose, oligomeric, C10-16(even numbered) alkyl glycosides	Alkylpolyglycoside	110615-47-9	600-975-8	
D-Glucopyranose, oligomers, decyl octyl glycosides	Alkylpolyglycoside	68515-73-1	500-220-1	
Sodium Carbonate	Soda Ash	497-19-8	207-838-8	
Fatty acids, C16-18 and C18-unsatd., Me esters	Methyl Soyate	67762-38-3	267-015-4	

3.2 Additional Information

No hazardous ingredients in reportable quantities under USA, Canada, EU, and UN regulations are present in this product. This substance is not listed in a priority list (as foreseen under Council Regulation (EEC) No 793/93 on the evaluation and control of the risks of existing substances.).

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation Not a likely route of exposure. Remove to fresh air if irritation occurs. If symptoms develop, obtain medical attention.

Skin Contact Exposure to skin normally does not cause irritation or redness. No toxicity associated with the product being absorbed through skin. Wash exposed areas with water. In the unlikely event of irritation, seek medical advice.

Eye Contact This product may cause irritation to the eyes after direct contact with concentrate. Rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Ingestion No toxicity associated with ingestion. Ingesting large volumes may cause minor gastrointestinal distress due to emulsification of grease and oil in the digestive tract. Drink water to assist in digestion if swallowed.

4.2 Most important symptoms and effects, both acute and delayed

Acute Ingestion will cause minor distress to the gastrointestinal tract. May cause chemical and mechanical eye irritation with direct contact.

Delayed and Chronic Effects Expected to be similar to acute exposures.

4.3 Indication of the immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

Not flammable or combustible by OSHA/WHMIS criteria. Not Sensitive to mechanical impact and static discharge.

Flash Point: 200°C (392°F) Explosive Limits: NA Auto-Ignition Temperatures: NA

5.1 Extinguishing media

Suitable Extinguishing Media: Use extinguishing media appropriate to surrounding fire conditions.

Unsuitable Extinguishing Media: None known.

5.2 Special hazards arising from the substance or mixture

Containers may rupture from exposure to high temperatures, releasing contents that may be slippery.

5.3 Advice for fire-fighters

Suitable protective clothing should be worn in fire conditions. Extinguish preferably with dry chemical, foam or water spray.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

None

6.2 Environmental Precautions

None

6.3 Methods and material for containment and cleaning up

Rinse area with water. Dispose of material in accordance with local regulations.

6.4 Reference to other sections

See Also Section 7, 8, 13

6.5 Additional Information

None

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with eyes. No special precautions required.

7.2 Conditions for safe storage

Store in closed containers between 35°F and 120°F

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

Substance	CAS No.	LTEL (8hr TWA ppm)	LTEL (8hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)
No hazardous ingredients in reportable quantities under USA, Canada, EU, and UN regulations are present in this product. No Threshold Limit Value (TLV) established (ACGIH). No Permissible Exposure Limit (PEL) established (OSHA).					

OELs are not available for non-listed components.

8.1.2 Biological limit value

Limit Value Type (Country of Origin)	Substance	CAS No.	Biological Limit Value
No hazardous ingredients in reportable quantities under USA, Canada, EU, and UN regulations are present in this product. No Threshold Limit Value (TLV) established (ACGIH). No Permissible Exposure Limit (PEL) established (OSHA).			

8.1.3 PNECs and DNELs

No PNECs or DNELs are available for this product. As with all chemical products, users are cautioned to avoid unnecessary exposures.

8.2 Personal protection equipment

Respiratory Protection: Usually not needed.

Eye Protection: Safety glasses are suggested as good practice.

Hand Protection: Usually not needed.

Skin and Body Protection: Usually not needed.

Engineering Controls: No special controls required

General Hygiene Considerations: Handle according to established industrial hygiene and safety practices.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

	Concentrate	Diluted
Appearance:	Viscous liquid	Water-like liquid
Color:	Clear to Amber	Clear to Amber
Odor:	Mild to none	Mild to none
Odor Threshold:	Not available	Not available
pH:	10.7–10.9	10.3–10.6
Melting Point / Freezing Point:	0°C (32°F)	< 0°C (32°F)
Initial Boiling Point:	Not available	Not available
Boiling Point:	100°C (212°F)	> 100°C (212°F)
Flash Point:	200°C (392°F)	> 220°C (428°F).
Evaporation Rate:	1 (Water = 1)	1 (Water = 1)
Flammability (solid, gas):	Non-Flammable	Non-Flammable
Upper/Lower Flammability Limit:	Non-Flammable	Non-Flammable
Auto-ignition Temperature:	Non-Flammable	Non-Flammable
Vapor Pressure:	Not available.	Not available.
Vapor Density:	3.2 (Air = 1)	3.2 (Air = 1)
Relative Density:	Not available	Not available
Solubilities:	Infinitely miscible with water.	Infinitely miscible with water.
Partition Coefficient: N-octanol/Water:	Not available	Not available
Decomposition Temperature:	Not available	Not available
Percent Volatile, wt. %:	0%	0%
Specific Gravity:	1.056	1.0

9.2 Other information

VOC content, wt. %: 0%

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Chemically inert. No known reactive materials.

10.2 Chemical stability

Stable under normal conditions. Avoid temperature extremes.

10.3 Possibility of hazardous reactions

No hazardous reactions observed.

10.4 Conditions to avoid

Do not freeze. Do not use above ambient temperature.

10.5 Incompatible materials

None

10.6 Hazardous Decomposition Product(s)

Decomposition produces trace amounts of carbon dioxide and other natural gases.

SECTION 11: TOXICOLOGICAL INFORMATION

Substance	CAS No.	LD ₅₀ (Oral, Rat)	LC ₅₀ (Inhalation, Rat)	LD ₅₀ (Dermal, Rat)
No hazardous ingredients in reportable quantities under USA, Canada, EU, and UN regulations are present in this product.				

11.1 Information on toxicological effects

11.1.2 Mixtures

Effects of Acute Exposure

Ingestion Not Known. Product may be irritating to gastrointestinal tract.

Inhalation Not Known. Not a likely route of exposure.

Skin Contact Not Known. Prolonged contact may result in mild irritation.

Eye Contact Not Known. Contact may result in mechanical and chemical irritation.

Corrosivity None expected.

Repeated Dose toxicity Expected to be similar to single exposures.

Carcinogenicity This product does not contain any carcinogens or potential carcinogens as listed by ACGIH, IARC, OSHA, or NTP.

Mutagenicity Not available

Toxicity for reproduction Not available

11.2 Other information

None

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Not expected to be harmful to aquatic or soil environments.

12.2 Persistence and degradability

Readily biodegradable organic liquid.

12.3 Bioaccumulative potential

Not available

12.4 Mobility in soil

Not available

12.5 Results of PBT and vPvB assessment

Not available

12.6 Additional Information on Ecotoxicity

The product does not add to the AOX-value of effluent water (DIN 38409).

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal should be in accordance with local, state or national legislation. For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used. Containers must not be punctured or destroyed by burning, even when empty.

13.2 Additional Information

None

SECTION 14: TRANSPORT INFORMATION

Land transport (ADR/RID) (c)(d): Not classified as dangerous for transport.

U.S. Department of Transportation (DOT) (c)(d): Not classified as dangerous for transport.

Canada Transportation of Dangerous Goods (TDG) (c)(d): Not classified as dangerous for transport.

Sea transport (IMDG) (c)(d): Not classified as dangerous for transport.

Air transport (ICAO/IATA) (c) (d): Not classified as dangerous for transport.

(c)– Consult with transport provider. (d)– Check relevant regulations for Special Provisions.

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations and associated hazards for the mixture

15.1.1 Regulations

Country	Chemical Inventory or Regulation	Classification	Associated Hazards
Australia	Australian Inventory of Chemical Substances (AICS)	Listed	None
Canada	Domestic Substances List (DSL/NDSL)	The components of this product are in compliance with the chemical notification requirements of the NSN Regulations under CEPA, 1999.	
	WHMIS Classification	NONE	None
	Canada Ingredient Disclosure List (CIDL)	Listed	None
China	Inventory of Existing Chemical Substances in China (IECSC)	Listed	None
Colombia	Colombian Technical Standard (ICONTEC)	The components of this product and its classification meet the requirements of NTC 4435 and NTC 1692.	
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Listed	None
Germany	German WGK number	0	
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Listed	None
	Japan Fire Service Act	Not classified as flammable/combustible, oxidizing, or reactive.	
Korea	Korea Existing Chemicals Inventory (KECI)	Listed	None
Mexico	Grade	Grade 0	Minimum Risk
New Zealand	New Zealand Inventory of Chemicals (NZIoC)	Listed	None
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Listed	None
Taiwan	National Existing Chemical Inventory in Taiwan (NECI)	Listed	None
USA	TSCA (Toxic Substance Control Act)	The components of this product are in compliance with the chemical notification requirements of TSCA.	
	SARA 311/312 - Hazard Categories	None	None
	SARA 302 - Extremely Hazardous Substances	Not Listed	None
	SARA 313 - Toxic Chemicals	Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.	
	CERCLA (Comprehensive Environmental Response Compensation and Liability Act)	This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).	
	CAA (Clean Air Act 1990)	This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.	
	CWA (Clean Water Act)	This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21) and 40 CFR 122.42).	
	State Right to Know Lists	This product does not contain any substances regulated by state right-to-know regulations.	
	Proposition 65 (California)	This product does not contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.	

15.2 Chemical Safety Assessment

Not-hazardous

SECTION 16: OTHER INFORMATION

NFPA Rating

NFPA Health Hazard 0 - Materials pose no prolonged health hazards
NFPA Fire Hazard 0 - Materials that will not burn.
NFPA Reactivity 0 - Normally stable.

HMIS Rating

Health 0
Flammability 0
Physical 0



Additional Information: Replaces August 21, 2015 and all previous editions.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

References: RTECS, CAS Registry, EINECS/ESIS, Manufacturer Information

End of Safety Data Sheet