

SECTION 1: IDENTIFICATION

1.1 Product identifier

Brand **Evolve®**
Trade Name **Laundry Complete 205L 5x**

1.2 Product Use

Identified Use Alkaline detergent for laundering heavily soiled items

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 GHS Classifications

H314 Skin Corr.1B
H318 Eye Dam. 1

2.2 Label elements

2.2.1 Label elements According GHS Classifications

Hazard Pictogram(s)



Signal Word **Danger**

Hazard Statement **H314 - Causes severe skin burns and eye damage**

Precautionary Statements **P260 - Do not breathe mist, spray, vapours**
P264 - Wash exposed skin thoroughly after handling
P280 - Wear eye protection, face protection, protective clothing, protective gloves
P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting
P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340 - IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P310 - Immediately call a POISON CENTER or doctor/physician
P363 - Wash contaminated clothing before reuse
P405 - Store locked up
P501 - Dispose of contents/container to comply with local, state and federal regulations

2.3 Other hazards

Other hazards not contributing to the classification: NONE

2.4 Unknown acute toxicity

No data available

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
Sodium hydroxide (Na(OH))	Soda Lye	1310-73-2	215-185-5	10-20%
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	
Fatty acids, C16-18 and C18-unsatd., Me esters	Methyl Soyate	67762-38-3	267-015-4	

SECTION 4: FIRST-AID MEASURES

4.1 Description of first aid measures

- Inhalation** Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.
- Skin Contact** Immediately call a POISON CENTER or doctor/physician. Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- Eye Contact** 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.
- Ingestion** Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician. Rinse mouth.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms/injuries** Causes severe skin burns and eye damage.
- Symptoms/injuries after Inhalation** Coughing. Irritation of the respiratory tract. Irritation of the nasal mucous membranes.
- Symptoms/injuries after Skin Contact** Caustic burns/corrosion of the skin.
- Symptoms/injuries after Eye Contact** Causes serious eye damage.
- Symptoms/injuries after Ingestion** Abdominal pain. Bleeding of the gastrointestinal tract. Burns to the gastric/intestinal mucosa. Nausea. Possible esophageal perforation.
- Chronic symptoms** Not available.

4.3 Indication of the immediate medical attention and special treatment needed

Obtain medical assistance.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing Media: Small Fire: Dry chemical, CO₂ or water spray.
Large Fire: Dry chemical, CO₂, alcohol-resistant foam or water spray. Move containers from fire area if you can do it without risk. Dike fire-control water for later disposal; do not scatter the material.

Unsuitable Extinguishing Media: Not available.

5.2 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

As an immediate precautionary measure, isolate spill or leak area in all directions for at least 50 meters (150 feet). Keep unauthorized personnel away. Use personal protection recommended in Section 8.

6.2 Environmental Precautions

None

6.3 Methods and material for containment and cleaning up

Stop leak if you can do it without risk.

6.4 Reference to other sections

See Also Section 7, 8, 13

6.5 Additional Information

See Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Do not swallow. Wash thoroughly after handling. See Section 8 for information on Personal Protective Equipment.

7.2 Conditions for safe storage

Store locked up. Store away from incompatible materials. See Section 10 for information on Incompatible Materials. Keep out of the reach of children.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

Substance	CAS No.	ACGIH (C)	OSHA (TWA)	OSHA (C)
Sodium Hydroxide	1310-73-2	2 mg/m ³	2 mg/m ³	2 mg/m ³

OELs are not available for non-listed components.

8.2 Personal protection equipment



Respiratory Protection: In case of inadequate ventilation wear respiratory protection. Wear appropriate mask.

Eye Protection: Wear chemical safety goggles. Ensure that eyewash stations and safety showers are close to the workstation location. Use equipment for eye protection that meets the standards referenced by OSHA regulations in 29 CFR 1910.133 for Personal Protective Equipment.

Hand Protection: Wear protective gloves. Consult manufacturer specifications for further information.

Skin and Body Protection: Wear protective clothing. Clothing with full length sleeves and pants should be worn.

Engineering Controls: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapour, gas, etc.) below recommended exposure limits.

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

Appearance:	Water-like liquid
Color:	Amber to Dark Amber
Odor:	Slightly Acrid
Odor Threshold:	Not available
pH:	13.4
Melting Point / Freezing Point:	-18°C (0°F)
Initial Boiling Point:	Not available
Boiling Point:	> 112 °C (233.6° F)
Flash Point:	> 220 °C (428° F)
Evaporation Rate:	1 (Water = 1)
Flammability (solid, gas):	Non-Flammable
Upper/Lower Flammability Limit:	Non-Flammable
Auto-ignition Temperature:	Non-Flammable
Vapor Pressure:	Not available.
Vapor Density:	Not available
Solubilities:	Infinitely miscible with water.
Partition Coefficient: N-octanol/Water:	Not available
Decomposition Temperature:	Not available
Percent Volatile, wt. %:	0%
Specific Gravity:	1.113

9.2 Other information

VOC content, wt. %: 0%

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Contact with incompatible materials.

10.2 Chemical stability

Stable under normal conditions. Avoid temperature extremes.

10.3 Possibility of hazardous reactions

None known.

10.4 Conditions to avoid

Do not freeze. Do not use above ambient temperature.

10.5 Incompatible materials

Acids. Oxidizers

10.6 Hazardous Decomposition Product(s)

Not available.

SECTION 11: TOXICOLOGICAL INFORMATION

Substance	CAS No.	LD ₅₀ (Oral, Rat)	LC ₅₀ (Inhalation, Rat)	LD ₅₀ (Dermal, Rabbit)
Sodium Hydroxide, 100% w/v	1310-73-2	Not Available	Not available	1350 mg/kg

11.1 Information on toxicological effects

11.1.2 Mixtures

Effects of Acute Exposure

Ingestion Causes burns to nose, mouth, throat, and digestive tract. Signs/symptoms may include severe mouth, throat and abdominal pain, nausea, vomiting, and diarrhea, blood in the feces and/or vomitus may also be seen. Symptoms of Sodium hydroxide ingestion may include bleeding, vomiting, diarrhea, fall in blood pressure. Damage may appear days after exposure.

Inhalation May cause respiratory irritation. Signs/symptoms may include burning pain in the nose and throat, coughing, wheezing, shortness of breath and pulmonary edema.

Skin Contact Causes severe skin burns. Signs/symptoms may include localized redness, swelling, itching, intense pain, blistering, ulceration, and tissue destruction.

Eye Contact Causes serious eye damage. Signs/symptoms may include cloudy appearance of the cornea, chemical burns, severe pain, tearing, ulcerations, significantly impaired vision or complete loss of vision.

Repeated Dose toxicity Prolonged or repeated contact may dry skin and cause irritation.

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 available

12.2 Persistence and degradability

Not available

12.3 Bioaccumulative potential

Not available

12.4 Mobility in soil

Not available

12.5 Results of PBT and vPvB assessment

Not available

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): UN1719 CAUSTIC ALKALI LIQUID, N.O.S., (CONTAINS SODIUM HYDROXIDE), 8,II

U.S. Department of Transportation (DOT) (c)(d): UN1719 CAUSTIC ALKALI LIQUID, N.O.S., (CONTAINS SODIUM HYDROXIDE), 8,II

Canada Transportation of Dangerous Goods (TDG) (c)(d): UN1719 CAUSTIC ALKALI LIQUID, N.O.S., (CONTAINS SODIUM HYDROXIDE), 8,II

(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	C; R34
Canada	Domestic Substances List (DSL/NDSL)		
	WHMIS Classification	Class E	Corrosive Material
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Listed	C; R34
USA	TSCA (Toxic Substance Control Act)		
	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.
	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.
	Proposition 65 (California)		This product does not contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

SECTION 16: OTHER INFORMATION

NFPA Rating

NFPA Health Hazard	3 - Short exposure could cause serious, temporary, or residual injury even though prompt medical attention was given.
NFPA Fire Hazard	0 - Materials that will not burn.
NFPA Reactivity	0 - Normally stable.

HMIS Rating

Health	3
Flammability	0
Physical	0



Additional Information: Replaces August 21, 2014 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