## SECTION 1: IDENTIFICATION

**1.1 Product identifier**

**Brand** **Evolve®**

**Trade Name** **Laundry Complete 205L**

**1.2 Product Use**

**Identified Use** Alkaline, built laundry detergent

**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**

H315 Skin Irritant. 2
H320 Eye Irritant. 2B

**2.2 Label elements**

**2.2.1 Label elements According GHS Classifications**

**Hazard Pictogram**

**Signal Word** Warning

**Hazard Statement** H315 - Causes skin irritation.
H320 - Causes eye irritation.

**Precautionary Statements** P264 - Wash hands thoroughly after handling.
P280 - Wear protective gloves and safety glasses.
P302+P352+P332+P313 - IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P362+P364 - Take off contaminated clothing and wash it before reuse.

**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 | <1.5% |

| 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** If inhaled: Remove person to fresh air and keep comfortable for breathing.
**Acute and delayed symptoms and effects:** 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** If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a poison center or doctor/physician. Wash contaminated clothing before reuse.
**Acute and delayed symptoms and effects:** Causes skin irritation. Signs/symptoms may include localized redness, swelling, itching, intense pain, blistering, ulceration, and tissue destruction.

**Eye Contact** If in eyes: Rinse cautiously with water for at least 30 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor.
**Acute and delayed symptoms and effects:** Causes eye irritation. Signs/symptoms may include cloudy appearance of the cornea, chemical burns, severe pain, tearing, ulcerations, significantly impaired vision or complete loss of vision.

**Ingestion** If swallowed: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Never give anything by mouth to an unconscious person.
**Acute and delayed symptoms and effects:** May cause 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.

**4.2 Indication of the immediate medical attention and special treatment needed**

Symptoms may not appear immediately. Perform endoscopy in all cases of suspected Sodium hydroxide ingestion. In cases of severe esophageal corrosion, the use of therapeutic doses of steroids should be considered. General supportive measures with continual monitoring of gas exchange, acid-base balance, electrolytes, and fluid intake are also required.
**In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).**

## SECTION 5: FIRE-FIGHTING MEASURES

Not flammable or combustible by OSHA/WHMIS criteria. Not Sensitive to mechanical impact.
Flash Point > 220° C (428° F) Explosive Limits: NA Auto-Ignition Temperatures: NA

**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.**

**8.2.2 Personal protection equipment**

**Respiratory Protection:** Usually not needed.

**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**

| | Concentrate |
|---|---|
| **Appearance:** | Water-like liquid |
| **Color:** | Clear to Amber |
| **Odor:** | Slightly Acrid |
| **Odor Threshold:** | Not available |
| **pH:** | 13.3 |
| **Melting Point / Freezing Point:** | < 5 °C (41 °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 |
| **Relative 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:** | 1.021 |

**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 | 1310-73-2 | Not Available | Not available | Not Available |

**11.1 Information on toxicological effects**

**11.1.2 Mixtures**

**Effects of Acute Exposure**

**Ingestion** May cause 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 skin irritation. Signs/symptoms may include localized redness, swelling, itching, intense pain, blistering, ulceration, and tissue destruction.

**Eye Contact** Causes eye irritation. 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):** 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.

*(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 | Xi; R36/38 |
| **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 |
| **Europe** | *European Inventory of Existing Commercial Chemical Substances (EINECS)* | Listed | Xi; R36/38 |
| **Japan** | *Inventory of Existing and New Chemical Substances (ENCS)* | Listed | Excluded (< 2%) |
| **USA** | *TSCA (Toxic Substance Control Act)* | The components of this product are in compliance with the chemical notification requirements of TSCA. | |
| | *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** 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.
**NFPA Fire Hazard** 0 - Materials that will not burn.
**NFPA Reactivity** 0 - Normally stable.


### HMIS Rating

**Health** 1
**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**