

## SECTION 1: IDENTIFICATION

### 1.1 Product identifier

**Brand** Evolve®  
**Trade Name** Heavy-Duty Tile & Grout Cleaner

### 1.2 Product Use

**Identified Use** Industrial-strength tile and grout cleaning

### 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, CO<sub>2</sub> or water spray.  
Large Fire: Dry chemical, CO<sub>2</sub>, 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 <sup>3</sup>	2 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>

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:	13.1
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:	1.045

### 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 <sub>50</sub> (Oral, Rat)	LC <sub>50</sub> (Inhalation, Rat)	LD <sub>50</sub> (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)		
	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)		
	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