

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 07/20/2015

Reviewed on 07/20/2015

*** 1 Identification**

- **Product identifier**
- **Trade name:** Quarry Tile Renovator
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Cleaning agent/ Cleaner
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Ronbar Laboratories Inc.
52-02 Van Dam Street
Long Island City, New York 11101
Phone: (718) 937-6755
Fax: (718) 786-1109
- **Emergency telephone number:**
INFOTRAC (800) 535-5053
Account number: 103417

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS05 Corrosion

Skin Corr. 1A H314 Causes severe skin burns and eye damage.

Eye Dam. 1 H318 Causes serious eye damage.

Flam. Liq. 4 H227 Combustible liquid.

- **Label elements**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



GHS05

- **Signal word** Danger

- **Hazard-determining components of labeling:**

Sodium Hydroxide

- **Hazard statements**

Combustible liquid.

Causes severe skin burns and eye damage.

- **Precautionary statements**

Do not breathe dusts or mists.

Keep away from flames and hot surfaces. – No smoking.

Wash thoroughly after handling.

Wear protective gloves / eye protection / face protection.

Wear protective gloves / protective clothing.

Wear eye protection / face protection.

If swallowed: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

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IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 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/doctor.
 In case of fire: Use for extinction: CO₂, powder or water spray.
 Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.
 Store locked up.
 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Unknown acute toxicity:**

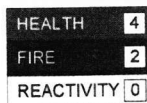
31 percent of the mixture consists of ingredient(s) of unknown toxicity.

· **Classification system:**· **NFPA ratings (scale 0 - 4)**

Health = 3

Fire = 2

Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**

Health = 4

Fire = 2

Reactivity = 0

· **Hazard(s) not otherwise classified (HNOC):** None known**3 Composition/Information on Ingredients**· **Chemical characterization: Mixtures**· **Description:** Mixture of substances listed below with nonhazardous additions.· **Dangerous Components:**

CAS: 1310-73-2	Sodium Hydroxide	40-60%
	⚠ Skin Corr. 1A, H314	
CAS: 7647-14-5	Sodium Chloride	15-35%
RTECS: VZ4725000	⚠ STOT SE 3, H335	
CAS: 111-76-2	Ethylene Glycol Monobutyl Ether	2-12%
RTECS: KJ 8575000	⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Flam. Liq. 4, H227	

4 First-aid measures· **Description of first aid measures**· **General information:** Immediately remove any clothing soiled by the product.· **After inhalation:** In case of unconsciousness, place patient securely on side position for transportation.· **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

If skin irritation occurs, consult a doctor.

· **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.· **After swallowing:** Drink copious amounts of water and provide fresh air. Immediately call a doctor.· **Information for doctor:**· **Most important symptoms and effects, both acute and delayed:** No further relevant information available.

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- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

3. Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture**
Combustible liquid. Vapors can travel to a source of ignition and flash back.
Explosive mixtures may occur at temperatures at or above flashpoint.
- **Advice for firefighters**
- **Protective equipment:**
As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

4. Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).
Use neutralizing agent.
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.
Dispose of the collected material according to regulations.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

5. Handling and storage

- **Handling:**
- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about protection against explosions and fires:** Protect from heat.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Keep receptacle tightly sealed.
Protect from heat and direct sunlight.
- **Specific end use(s)** No further relevant information available.

6. Exposure controls

- **Additional information about design of technical systems:** No further data; see section 7.

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Trade name: Quarry Tile Renovator**Control parameters****Components with occupational exposure limits:****1310-73-2 Sodium Hydroxide**PEL Long-term value: 2 mg/m³REL Ceiling limit value: 2 mg/m³TLV Ceiling limit value: 2 mg/m³**111-76-2 Ethylene Glycol Monobutyl Ether**PEL Long-term value: 240 mg/m³, 50 ppm
SkinREL Long-term value: 24 mg/m³, 5 ppm
SkinTLV Long-term value: 97 mg/m³, 20 ppm
BEI**Ingredients with biological limit values:****111-76-2 Ethylene Glycol Monobutyl Ether**

BEI 200 mg/g creatinine

urine

end of shift

Butoxyacetic acid with hydrolysis

Additional information: The lists that were valid during the creation of this SDS were used as basis.**Exposure controls****Personal protective equipment:****General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing and wash before reuse.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

Breathing equipment: Not required.**Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Select glove material based on penetration times, rates of diffusion and degradation.

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

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Trade name: Quarry Tile Renovator**· Eye protection:**

Tightly sealed goggles

9 Physical and chemical properties**· Information on basic physical and chemical properties****· General Information****· Appearance:**

Form:	Liquid
Color:	Red
Odor:	Mild
Odor threshold:	Not determined.
pH-value:	Not determined.

· Change in condition

Melting point/Melting range:	Not determined.
Boiling point/Boiling range:	1390 °C (2534 °F)

Flash point:	65 °C (149 °F)
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Flammability (solid, gaseous):	Not applicable.
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· Ignition temperature:

Decomposition temperature:	Not determined.
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Auto igniting:	Product is not self-igniting.
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Danger of explosion:	Not determined.
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· Explosion limits:

Lower:	Not determined.
Upper:	Not determined.

Vapor pressure:	Not determined.
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· Density:

Relative density	Not determined.
Vapor density	Not determined.
Evaporation rate	Not determined.

· Solubility in / Miscibility with

Water:	Not miscible or difficult to mix.
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Partition coefficient (n-octanol/water):	Not determined.
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· Viscosity:

Dynamic:	Not determined.
Kinematic:	Not determined.

· Solvent content:

Organic solvents:	3.0 %
VOC content:	3.0 %
Solids content:	92.0 %

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Trade name: Quarry Tile Renovator**Other information**

No further relevant information available.

- **Reactivity** No further relevant information available.
- **Chemical stability** Stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**
 - 1310-73-2 Sodium Hydroxide**
 - Oral LD50 2000 mg/kg (rat)
 - 7647-14-5 Sodium Chloride**
 - Oral LD50 3000 mg/kg (rat)
 - Dermal LD50 >10000 mg/kg (rabbit)
 - 111-76-2 Ethylene Glycol Monobutyl Ether**
 - Oral LD50 470 mg/kg (rat)
 - Dermal LD50 220 mg/kg (rab)
 - Inhalative LC50/4 h 2174.91 mg/l (rat)
- **Primary irritant effect:**
- **on the skin:** Strong caustic effect on skin and mucous membranes.
- **on the eye:**
 - Strong irritant with the danger of severe eye injury.
 - Corrosive effect.
 - Causes serious eye irritation.
- **Additional toxicological information:**
 - The product shows the following dangers according to internally approved calculation methods for preparations:
 - Corrosive
 - Irritant
 - Swallowing will lead to a corrosive effect on mouth and throat and to the danger of perforation of esophagus and stomach.
- **Carcinogenic categories**
- **IARC (International Agency for Research on Cancer)**
 - 111-76-2 Ethylene Glycol Monobutyl Ether
- **NTP (National Toxicology Program)**
 - None of the ingredients are listed.
- **OSHA-Ca (Occupational Safety & Health Administration)**
 - None of the ingredients are listed.

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Trade name. **Quarry Tile Renovator****12 Ecological information**

- **Toxicity**
- **Aquatic toxicity:**
 - 7647-14-5 Sodium Chloride**
EC50 1661 mg/l (Water flea)
 - 111-76-2 Ethylene Glycol Monobutyl Ether**
EC50 1815 mg/l (Water flea)
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Must not reach bodies of water or drainage ditch undiluted or unneutralized.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **UN-Number** UN1760
- **DOT, ADR, IMDG, IATA**
- **UN proper shipping name** Corrosive liquids, n.o.s. (Sodium Hydroxide)
- **DOT** UN1760 Corrosive liquids, n.o.s. (Sodium Hydroxide)
- **ADR** CORROSIVE LIQUID, N.O.S. (Sodium Hydroxide)
- **IMDG, IATA**
- **Transport hazard class(es)**
- **DOT**



- **Class** 8 Corrosive substances
- **Label** 8
- **ADR**



- **Class** 8 (C9) Corrosive substances

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Trade name: Quarry Tile Renovator· **Label** 8· **IMDG, IATA**· **Class** 8 Corrosive substances· **Label** 8· **Packing group**· **DOT, ADR, IMDG, IATA** I· **Environmental hazards:** Not applicable.· **Special precautions for user** Warning: Corrosive substances· **Danger code (Kemler):** 88· **EMS Number:** F-A,S-B· **Segregation groups** Alkalis· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.· **Transport/Additional information:**· **DOT**· **Quantity limitations** On passenger aircraft/rail: 0.5 L
On cargo aircraft only: 2.5 L· **ADR**· **Excepted quantities (EQ)** Code: E0
Not permitted as Excepted Quantity· **IMDG**· **Limited quantities (LQ)** 0· **Excepted quantities (EQ)** Code: E0
Not permitted as Excepted Quantity· **UN "Model Regulation":** UN1760, Corrosive liquids, n.o.s. (Sodium Hydroxide), 8, I**15 Regulatory information**· **Safety, health and environmental regulations/legislation specific for the substance or mixture**· **Sara**· **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

· **Section 313 (Specific toxic chemical listings):**

111-76-2 Ethylene Glycol Monobutyl Ether

· **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

· **California Proposition 65**· **Chemicals known to cause cancer:**

None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

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- **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

- **Chemicals known to cause developmental toxicity:**

None of the ingredients are listed.

- **Carcinogenic categories**

- **EPA (Environmental Protection Agency)**

111-76-2 Ethylene Glycol Monobutyl Ether

NL

- **TLV (Threshold Limit Value established by ACGIH)**

111-76-2 Ethylene Glycol Monobutyl Ether

AC

- **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients are listed.

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



GHS05

- **Signal word** Danger

- **Hazard-determining components of labeling:**

Sodium Hydroxide

- **Hazard statements**

Combustible liquid.

Causes severe skin burns and eye damage.

- **Precautionary statements**

Do not breathe dusts or mists.

Keep away from flames and hot surfaces. – No smoking.

Wash thoroughly after handling.

Wear protective gloves / eye protection / face protection.

Wear protective gloves / protective clothing.

Wear eye protection / face protection.

If swallowed: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

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/doctor.

In case of fire: Use for extinction: CO₂, powder or water spray.

Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).

Wash contaminated clothing before reuse.

Store in a well-ventilated place. Keep cool.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

- **National regulations:**

The product is subject to be classified according with the latest version of the regulations on hazardous substances.

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Trade name: Quarry Tile Renovator**State Right to Know**

CAS: 1310-73-2	Sodium Hydroxide	40-60%
	⚠ Skin Corr. 1A, H314	
CAS: 7647-14-5	Sodium Chloride	15-35%
RTECS: VZ4725000	⚠ STOT SE 3, H335	
CAS: 111-76-2	Ethylene Glycol Monobutyl Ether	2-12%
RTECS: KJ 8575000	⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Flam. Liq. 4, H227	

All ingredients are listed.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.**16 Other information**

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

Date of preparation / last revision 07/20/2015 / 1**Abbreviations and acronyms:**

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road
 ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
 IMDG: International Maritime Code for Dangerous Goods
 DOT: US Department of Transportation
 IATA: International Air Transport Association
 ACGIH: American Conference of Governmental Industrial Hygienists
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 NFPA: National Fire Protection Association (USA)
 HMIS: Hazardous Materials Identification System (USA)
 VOC: Volatile Organic Compounds (USA, EU)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative
 Flam. Liq. 4: Flammable liquids, Hazard Category 4
 Acute Tox. 4: Acute toxicity, Hazard Category 4
 Skin Corr. 1A: Skin corrosion/irritation, Hazard Category 1A
 Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
 Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
 Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
 STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

*** Data compared to the previous version altered.**SDS created by MSDS Authoring Services www.msdsauthoring.com +1-877-204-9106