

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**
**1.1 Product Identifier**

Product Form : Mixture  
Product Name : Oven & Grill Cleaner  
Product Code : 4831

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Use of the substance/mixture : Hard Surface Cleaner

**1.3 Details of the supplier of the safety data sheet**

Twi-Laq Industries, Inc.  
1345 Seneca Avenue  
Bronx, NY 10474  
T (718) 638-5860

**1.4 Emergency telephone number**

Emergency number : CHEM-TREC 1-800-424-9300

**SECTION 2: Hazards Identification**
**2.1 Classification of the substance or mixture**
**Classification (GHS-US)**

Skin Corr. 1A H314

**2.2 Label Elements**
**GHS-US labeling**

Hazard pictograms (GHS-US)



GHS05

Signal Word (GHS-US) : **DANGER**  
Hazard Statements (GHS-US) : H314 - Causes severe burns and eye damage  
Precautionary statements (GHS-US) : P260 - Do not breathe dust/mist/spray  
P264 - Wash hands and forearms thoroughly after handling  
P280 - Wear Protective gloves/eye protection/face protection  
P301+P330+P331 - If swallowed: rinse mouth. DO NOT induce vomiting  
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower  
P304+P340 - If inhaled; Remove person to fresh air and keep 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/doctor  
P321 - Specific treatment (see first aid measures on this label)  
P363 - Wash contaminated clothing before reuse  
P405 - Store locked up  
P501 - Dispose of contents/container in accordance with local/regional/national/international regulations

**2.3 Other Hazards**

No additional information available

**2.4 Unknown Acute Toxicity**

No Data Available

**SECTION 3: Composition / Information on Ingredients**
**3.1 Substance**

Not Applicable

**3.2 Mixture**

Name	Product Identifier	%	Classification (GHS-US)
sodium hydroxide, conc=50%, aqueous sol.	(CAS No.) 1310-73-3	5 - 10	Acute Tox. 3 (Oral), H301 Skin Corr. 1B, H314 Aquatic Acute 3, H402
disodium metasilicate	(CAS No.) 6834-92-0	1 - 5	Skin Corr. 1B, H314 STOT SE 3, H335

**SECTION 4: First Aid Measures**
**4.1 Description of First Aid measures**

First Aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show label where possible)

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First Aid measures after inhalation	: Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician
First Aid measures after skin contact	: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor/physician.
First Aid measures after 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.
First Aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

### 4.2 Most important symptoms and effects, both acute and delayed

Symptoms / injuries : Causes severe skin burns and eye damage.

### 4.3 Indication of any immediate medical attention and special treatment needed

No additional information available

## SECTION 5: Firefighting Measures

### 5.1 Extinguishing Media

Suitable extinguishing media : Foam. Dry powder. Carbon Dioxide. Water spray. Sand.  
 Unsuitable extinguishing media : Do not use a heavy water stream

### 5.2 Special hazards arising from the substance or mixture

Reactivity : Thermal decomposition generates: Corrosive vapors.

### 5.3 Advice for firefighters

Firefighting Instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.  
 Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

#### 6.1.1 For non-emergency personnel

Emergency Procedures : Evacuate unnecessary personnel

#### 6.1.2 For emergency responders

Protective Equipment : Equip cleanup crew with proper protection  
 Emergency Procedures : Ventilate area

### 6.2 Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up. : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

### 6.4 Reference to other sections

See Heading 8. Exposure controls and personal protection.

## SECTION 7: Handling and Storage

### 7.1 Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not breathe dust/mist/spray. Avoid contact during pregnancy/while nursing.  
 Hygiene measures : Wash hands and forearms thoroughly after handling.

### 7.2 Conditions for safe storage, including any incompatibilities

Technical measures : Comply with applicable regulations.  
 Storage conditions : Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.  
 Incompatible products : Strong bases. Strong acids.  
 Incompatible Materials : Sources of ignition. Direct sunlight.

### 7.3 Specific end use(s)

No additional information available

## SECTION 8: Exposure controls / personal protection

### 8.1 Control parameters

Oven & Grill Cleaner	
USA ACGIH	Not Applicable
OSHA	Not Applicable

<b>sodium hydroxide, conc=50%, aqueous solution (1310-73-2)</b>	
USA ACGIH	Not Applicable
OSHA	Not Applicable

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### 8.2 Exposure controls

Personal Protective Equipment	: Avoid all unnecessary exposure.
Hand Protection	: Protective gloves
Eye Protection	: Chemical goggles or face shield.
Skin & Body Protection	: Wear suitable protective clothing.
Respiratory Protection	: Wear appropriate mask.
Other Information	: Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state	: Liquid
Color	: Yellow
Odor	: Butyl
Odor threshold	: No data available
pH	: 13
Relative evaporation rate (butyl acetate=1)	: No data available
Melting Point	: No data available
Freezing Point	: No data available
Boiling Point	: 212°F - 220°F
Flash Point	: ≥ 200°F
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor Pressure	: No data available
Relative vapor density @ 20°C	: Equivalent to water
Relative density	: 1.13
Solubility	: Soluble in Water
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive Properties	: No data available
Oxidizing Properties	: No data available
Explosive Limits	: No data available

### 9.2 Other Information

No additional information available.

## SECTION 10: Stability and Reactivity

### 10.1 Reactivity

Thermal decomposition generates: Corrosive vapors.

### 10.2 Chemical Stability

Stable under normal Conditions

### 10.3 Possibility of hazardous reactions

Not established

### 10.4 Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5 Incompatible materials

Strong Acids. Strong bases.

### 10.6 Hazardous decomposition products

Fume. Carbon Monoxide. Carbon Dioxide. Thermal decomposition generates: Corrosive vapors.

## SECTION 11: Toxicological Information

### 11.1 Information on toxicological effects

Acute Toxicity : Not classified

<b>disodium metasilicate (6834-92-0)</b>	
LD50 dermal rat	>5000 mg/kg body weight (Rat; Read-across; OECD 402: Acute Dermal Toxicity)

Skin corrosion / irritation	: Causes severe skin burns - pH 13
Serious eye damage / irritation	: Causes eye damage - pH 13

Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive Toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified

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Aspiration hazard	: Not classified
Potential Adverse human health effects and symptoms	: Based on available date, the classification criteria are not met.

## SECTION 12: Ecological Information

### 12.1 Toxicity

<b>disodium metasilicate (6834-92-0)</b>	
LC50 fish 1	210 mg/l (96 h; Brachydanio rerio)
EC50 Daphnia 1	216 mg/l (96h; Daphnia magna; Static system)
<b>sodium hydroxide, conc=50%, aqueous solution (1310-73-2)</b>	
LC50 fish 1	28.6 mg/l (24 h; Pisces; Pure substance)
LC50 other aquatic organisms	100 - 1000 mg/l (96 h)
LC50 fish 2	80 mg/l (96 h; Gambusia affinis; Pure substance)
Threshold limit other aquatic organisms	100 - 1000 (96 h)

### 12.2 Persistence and degradability

<b>Oven &amp; Grill Cleaner</b>	
Persistence and degradability	Not established
<b>disodium metasilicate (6834-92-0)</b>	
Persistence and degradability	Biodegradability: Not Established. No (test) data on mobility of substance available.
<b>sodium hydroxide, conc=50%, aqueous solution (1310-73-2)</b>	
Persistence and degradability	Biodegradability: Not Established. No (test) data on mobility of substance available.

### 12.3 Bioaccumulative potential

<b>Oven &amp; Grill Cleaner</b>	
Bioaccumulative potential	Not established
<b>disodium metasilicate (6834-92-0)</b>	
Bioaccumulative potential	Bioaccumulation: Not applicable. Not established.
<b>sodium hydroxide, conc=50%, aqueous solution (1310-73-2)</b>	
Bioaccumulative potential	Does not contain bioaccumulative components.

### 12.4 Mobility in Soil

No additional information available.

### 12.5 Other adverse effects

Effect on ozone layer	: No additional information available
Effect on the global warming	: No known ecological damage caused by this product
Other information	: Avoid release to the environment

## SECTION 13: Disposal Considerations

### 13.1 Waste Treatment Methods

Waste disposal recommendations	: Dispose in a safe manner in accordance with local, state, and federal regulations. Dispose of contents/ container in accordance with local/regional/national/international regulations.
Ecology - Waste materials	: Avoid release to the environment

## SECTION 14: Transport Information

In accordance with DOT

Transport document description	: NA1760 Compounds, cleaning liquid, Class 8, PGII, (Contains Potassium Hydroxide)
UN No. (DOT)	: UN1760
DOT NA no.	: NA1760
Proper Shipping Name	: Compounds, cleaning liquid Contains Sodium Hydroxide
DOT Hazard Classes	: 8 - Class 8 - Corrosive material 49 CFR 173.136
Hazard Labels (DOT)	:



DOT symbols : D - Proper shipping name for domestic use only, or to and from Canada, G - Identifies PSN requiring a technical name

Packing Group : II - Medium Danger

#### Additional Information

Other Information : No supplementary information available

#### ADR

Transport document description :

Transport by sea : No additional information available

Air transport : No additional information available

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#### SECTION 15: Regulatory Information

##### 15.1 US Federal Regulations

###### sodium hydroxide, conc=50%, aqueous solution (1310-73-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory.

Not listed on the United States SARA Section 313

RQ (Reportable Quantity, section 304 of EPA's List of Lists)	: 1000 lbs
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##### 15.2 International Regulations

###### CANADA

No additional information available

###### EU Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Classification according to Directive 67/548/EEC [DSD] or 1999/44/EC [DPD]

Not Classified

##### 15.2.2 National Regulations

No additional information available

#### SECTION 16: Other Information

Revision Date : 2/27/2015

Other Information : None

##### Full text of H-phrases

Skin Corr. 1A	Skin corrosion/irritation Category 1A
H314	Causes severe burns and eye damage

##### HMIS III Rating

Health : 2 Moderate Hazard - Temporary or minor injury may occur

Flammability : 0 Minimal Hazard

Physical : 1 Slight Hazard

Personal Protection : B

SDS US (GHS Hazcom 2012)

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OTHER NATURE, ARE MADE WITH RESPECT TO INFORMATION CONCERNING THE PRODUCT REFERRED TO IN THIS MATERIAL SAFETY DATA SHEET.**

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The goal of defining precisely, in measurable terms, every possible health effect that may occur in the workplace as a result of chemical exposures cannot realistically be accomplished. The information recommendations contained in this Safety Data Sheet are supplied pursuant to 29 C.F.R. 1910.1200 of the Occupational Safety and Health Standards Hazard Communication Rule. The information recommendations set forth herein are presented in good faith and believed to be correct as of the date hereof. Twi-Laq Industries, Inc., however, makes no representations as to the completeness or accuracy thereof, and information is supplied upon the express condition that the persons receiving the same will be required to make their own determination as to its suitability for their purposes or use. In no event will Twi-Laq Industries, Inc. be responsible for any damages of any nature whatsoever resulting from the use of, reliance upon, or the misuse of this information. The information as herein is simply to be informative and intended solely to alert the user of the substance which is the subject matter of this Material Safety Data Sheet. The ultimate compliance with federal, state and regulations concerning the use or disposal of this compound, or compliance with respect to products liability, rests solely upon the purchaser thereof.

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