# SAFETY DATA SHEET

## QSR QUARRY TILE FLOOR CLEANER

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Product name</th>
<th>QSR QUARRY TILE FLOOR CLEANER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other means of identification</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Recommended use</td>
<td>Floor Cleaner</td>
</tr>
<tr>
<td>Restrictions on use</td>
<td>Reserved for industrial and professional use.</td>
</tr>
<tr>
<td>Product dilution information</td>
<td>0.39 %</td>
</tr>
<tr>
<td>Company</td>
<td>Kay Chemical Company</td>
</tr>
<tr>
<td></td>
<td>8300 Capital Drive</td>
</tr>
<tr>
<td></td>
<td>Greensboro, North Carolina USA 27409</td>
</tr>
<tr>
<td></td>
<td>1-800-529-5458</td>
</tr>
<tr>
<td>Emergency health information</td>
<td>1-877-231-2615 (USA/Canada), 952-853-1713 (outside USA)</td>
</tr>
<tr>
<td>Issuing date</td>
<td>05/17/2019</td>
</tr>
</tbody>
</table>

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS Classification

**Product AS SOLD**

**Eye irritation**: Category 2B

#### Product AT USE DILUTION

Not a hazardous substance or mixture.

#### GHS label elements

**Product AS SOLD**

**Signal Word**: Warning

**Hazard Statements**: Causes eye irritation.

**Precautionary Statements**

**Prevention**: Wash skin thoroughly after handling.

**Response**: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Product AT USE DILUTION**

**Precautionary Statements**

**Prevention**: Wash hands thoroughly after handling.

**Response**: Get medical advice/attention if you feel unwell.

**Storage**: Store in accordance with local regulations.

**Product AS SOLD**

**Other hazards**: Do not mix with bleach or other chlorinated products – will cause chlorine gas.
SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Product AS SOLD
Pure substance/mixture : Mixture

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No.</th>
<th>Concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>dodecylbenzenesulphonic acid, compound with 2,2',2''-nitrilotriethanol (1:1)</td>
<td>27323-41-7</td>
<td>10 - 30</td>
</tr>
<tr>
<td>citric acid</td>
<td>77-92-9</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Sodium poly(oxyethylene) dodecyl ether sulfate</td>
<td>68585-34-2</td>
<td>1 - 5</td>
</tr>
<tr>
<td>sodium chloride</td>
<td>7647-14-5</td>
<td>1 - 5</td>
</tr>
</tbody>
</table>

Product AT USE DILUTION
No hazardous ingredients

SECTION 4. FIRST AID MEASURES

Product AS SOLD
In case of eye contact : Rinse with plenty of water.
In case of skin contact : Rinse with plenty of water.
If swallowed : Rinse mouth. Get medical attention if symptoms occur.
If inhaled : Get medical attention if symptoms occur.
Protection of first-aiders : No special precautions are necessary for first aid responders.
Notes to physician : Treat symptomatically.
Most important symptoms and effects, both acute and delayed : See Section 11 for more detailed information on health effects and symptoms.

Product AT USE DILUTION
In case of eye contact : Rinse with plenty of water.
In case of skin contact : Rinse with plenty of water.
If swallowed : Rinse mouth. Get medical attention if symptoms occur.
If inhaled : Get medical attention if symptoms occur.

SECTION 5. FIRE-FIGHTING MEASURES

Product AS SOLD
Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media : None known.
Specific hazards during fire fighting : Not flammable or combustible.
Hazardous combustion products : Decomposition products may include the following materials: Carbon oxides
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Nitrogen oxides (NOx)
Sulfur oxides

Special protective equipment for fire-fighters: Use personal protective equipment.

Specific extinguishing methods: Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Product AS SOLD
Personal precautions, protective equipment and emergency procedures: Refer to protective measures listed in sections 7 and 8.

Environmental precautions: Do not allow contact with soil, surface or ground water.

Methods and materials for containment and cleaning up: Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

Product AT USE DILUTION
Personal precautions, protective equipment and emergency procedures: Refer to protective measures listed in sections 7 and 8.

Environmental precautions: No special environmental precautions required.

Methods and materials for containment and cleaning up: Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

SECTION 7. HANDLING AND STORAGE

Product AS SOLD
Advice on safe handling: Wash hands thoroughly after handling. Do not mix with bleach or other chlorinated products – will cause chlorine gas.

Conditions for safe storage: Keep out of reach of children. Store in suitable labeled containers.

Storage temperature: 0 °C to 50 °C

Product AT USE DILUTION
Advice on safe handling: Wash hands after handling. For personal protection see section 8.

Conditions for safe storage: Keep out of reach of children. Store in suitable labeled containers.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Product AS SOLD
Ingredients with workplace control parameters
Contains no substances with occupational exposure limit values.

Engineering measures: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

### Personal protective equipment

**Eye protection**: No special protective equipment required.

**Hand protection**: No special protective equipment required.

**Skin protection**: No special protective equipment required.

**Respiratory protection**: No personal respiratory protective equipment normally required.

**Hygiene measures**: Handle in accordance with good industrial hygiene and safety practice.

### Product AT USE DILUTION

**Engineering measures**: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

### Personal protective equipment

**Eye protection**: No special protective equipment required.

**Hand protection**: No special protective equipment required.

**Skin protection**: No special protective equipment required.

**Respiratory protection**: No personal respiratory protective equipment normally required.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Product AS SOLD</th>
<th>Product AT USE DILUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>liquid</td>
<td>liquid</td>
</tr>
<tr>
<td>Color</td>
<td>clear, light green</td>
<td>colorless</td>
</tr>
<tr>
<td>Odor</td>
<td>Perfumes, fragrances</td>
<td>Perfumes, fragrances</td>
</tr>
<tr>
<td>pH</td>
<td>2.6, (100 %)</td>
<td>3.7</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not applicable, Does not sustain combustion.</td>
<td></td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>&gt; 100 °C</td>
<td></td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Upper explosion limit</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Lower explosion limit</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Relative vapor density</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Relative density</td>
<td>1.04 - 1.065</td>
<td></td>
</tr>
</tbody>
</table>
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<table>
<thead>
<tr>
<th>Property</th>
<th>Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water solubility</td>
<td>soluble</td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>No data available</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No data available</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Thermal decomposition</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>The substance or mixture is not classified as oxidizing.</td>
</tr>
<tr>
<td>Molecular weight</td>
<td>No data available</td>
</tr>
<tr>
<td>VOC</td>
<td>No data available</td>
</tr>
</tbody>
</table>

### SECTION 10. STABILITY AND REACTIVITY

**Product AS SOLD**

- **Reactivity**: No dangerous reaction known under conditions of normal use.
- **Chemical stability**: Stable under normal conditions.
- **Possibility of hazardous reactions**: Do not mix with bleach or other chlorinated products – will cause chlorine gas.
- **Conditions to avoid**: None known.
- **Incompatible materials**: Bases, Metals
- **Hazardous decomposition products**: Decomposition products may include the following materials:
  - Carbon oxides
  - Nitrogen oxides (NOx)
  - Sulfur oxides

### SECTION 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**: Inhalation, Eye contact, Skin contact

**Potential Health Effects**

**Product AS SOLD**

- **Eyes**: Causes eye irritation.
- **Skin**: Health injuries are not known or expected under normal use.
- **Ingestion**: Health injuries are not known or expected under normal use.
- **Inhalation**: Health injuries are not known or expected under normal use.
- **Chronic Exposure**: Health injuries are not known or expected under normal use.

**Product AT USE DILUTION**

- **Eyes**: Health injuries are not known or expected under normal use.
- **Skin**: Health injuries are not known or expected under normal use.
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<table>
<thead>
<tr>
<th>Ingestion</th>
<th>Health injuries are not known or expected under normal use.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>Health injuries are not known or expected under normal use.</td>
</tr>
<tr>
<td>Chronic Exposure</td>
<td>Health injuries are not known or expected under normal use.</td>
</tr>
</tbody>
</table>

Experience with human exposure

**Product AS SOLD**
- **Eye contact**: Redness, Irritation
- **Skin contact**: No symptoms known or expected.
- **Ingestion**: No symptoms known or expected.
- **Inhalation**: No symptoms known or expected.

**Product AT USE DILUTION**
- **Eye contact**: No symptoms known or expected.
- **Skin contact**: No symptoms known or expected.
- **Ingestion**: No symptoms known or expected.
- **Inhalation**: No symptoms known or expected.

**Toxicity**

**Product AS SOLD**
**Product**
- **Acute oral toxicity**: Acute toxicity estimate: > 5,000 mg/kg
- **Acute inhalation toxicity**: No data available
- **Acute dermal toxicity**: Acute toxicity estimate: > 5,000 mg/kg
- **Skin corrosion/irritation**: No data available
- **Serious eye damage/eye irritation**: Mild eye irritation
- **Respiratory or skin sensitization**: No data available
- **Carcinogenicity**: No data available
- **Reproductive effects**: No data available
- **Germ cell mutagenicity**: No data available
- **Teratogenicity**: No data available
- **STOT-single exposure**: No data available
- **STOT-repeated exposure**: No data available
- **Aspiration toxicity**: No data available

**SECTION 12. ECOLOGICAL INFORMATION**

**Product AS SOLD**
**Ecotoxicity**
- **Environmental Effects**: Harmful to aquatic life.
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Product

Toxicity to fish : No data available
Toxicity to daphnia and other aquatic invertebrates : No data available
Toxicity to algae : No data available

Components

Toxicity to fish : dodecylbenzensulphonic acid, compound with 2,2',2''-nitrilotriethanol (1:1)
96 h LC50: 2.5 mg/l
citric acid
96 h LC50 Fish: > 100 mg/l
Sodium poly(oxyethylene) dodecyl ether sulfate
96 h LC50 Fish: 28 mg/l
sodium chloride
96 h LC50 Fish: 5,840 mg/l

Persistence and degradability

Product AS SOLD
Biodegradable

Product AT USE DILUTION
Biodegradable

Bioaccumulative potential
No data available

Mobility in soil
No data available

Other adverse effects
No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Product AS SOLD

Disposal methods : Do not contaminate ponds, waterways or ditches with chemical or used container. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Dispose of in accordance with local, state, and federal regulations.

Product AT USE DILUTION

Disposal methods : Diluted product can be flushed to sanitary sewer.

Disposal considerations : Dispose of in accordance with local, state, and federal regulations.
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SECTION 14. TRANSPORT INFORMATION
Product AS SOLD
The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (DOT)
Not dangerous goods

Sea transport (IMDG/IMO)
Not dangerous goods

SECTION 15. REGULATORY INFORMATION
Product AS SOLD
EPCRA - Emergency Planning and Community Right-to-Know
CERCLA Reportable Quantity

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Component RQ (lbs)</th>
<th>Calculated product RQ (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>dodecylbenzenesulphonic acid, compound with 2,2',2''-nitrilotriethanol (1:1)</td>
<td>27323-41-7</td>
<td>1000</td>
<td>7002</td>
</tr>
</tbody>
</table>

SARA 304 Extremely Hazardous Substances Reportable Quantity
This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards
- Serious eye damage or eye irritation

SARA 302
- This material does not contain any components with a section 302 EHS TPQ.

SARA 313
- This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop. 65
This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

California Cleaning Product Right to Know Act of 2017 (SB 258)
This regulation applies to this product.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Function</th>
<th>List(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>water</td>
<td>7732-18-5</td>
<td>Diluent</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>dodecylbenzenesulphonic acid, compound with 2,2',2''-nitrilotriethanol (1:1)</td>
<td>27323-41-7</td>
<td>Cleaning Agent</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>citric acid, sodium salt</td>
<td>18996-35-5</td>
<td>Buffer</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>citric acid</td>
<td>77-92-9</td>
<td>Buffer</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Sodium poly(oxyethylene) dodecyl ether sulfate</td>
<td>68585-34-2</td>
<td>Cleaning Agent</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>sodium chloride</td>
<td>7647-14-5</td>
<td>Processing Aid</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>oxydipropanol</td>
<td>25265-71-8</td>
<td>Fragrance</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>
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<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS Number</th>
<th>Type</th>
<th>NFPA</th>
<th>HMIS III</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethanolamine</td>
<td>111-42-2</td>
<td>Cleaning Agent</td>
<td>1, 9, 18, 20</td>
<td></td>
</tr>
<tr>
<td>Diethyl Phthalate</td>
<td>84-66-2</td>
<td>Fragrance</td>
<td>19, 21, NFC</td>
<td></td>
</tr>
<tr>
<td>Colorant</td>
<td>Withheld</td>
<td>Dye</td>
<td>Not Applicable</td>
<td></td>
</tr>
<tr>
<td>Colorant</td>
<td>Withheld</td>
<td>Dye</td>
<td>Not Applicable</td>
<td></td>
</tr>
<tr>
<td>Colorant</td>
<td>Withheld</td>
<td>Dye</td>
<td>Not Applicable</td>
<td></td>
</tr>
<tr>
<td>Benzene, 1,2-dimethoxy-4-(2-propen-1-yl)-</td>
<td>93-15-2</td>
<td>Fragrance</td>
<td>1, 9, 15</td>
<td></td>
</tr>
</tbody>
</table>

*Refer to ecolab.com/sds for electronic links to designated lists

The ingredients of this product are reported in the following inventories:

**United States TSCA Inventory:**
All substances listed as active on the TSCA inventory

**Canadian Domestic Substances List (DSL):**
All components of this product are on the Canadian DSL

**Australia Inventory of Chemical Substances (AICS):**
On the inventory, or in compliance with the inventory

**New Zealand. Inventory of Chemical Substances:**
On the inventory, or in compliance with the inventory

**Japan. ENCS - Existing and New Chemical Substances Inventory:**
On the inventory, or in compliance with the inventory

**Korea. Korean Existing Chemicals Inventory (KECI):**
On the inventory, or in compliance with the inventory

**Philippines Inventory of Chemicals and Chemical Substances (PICCS):**
On the inventory, or in compliance with the inventory

**China. Inventory of Existing Chemical Substances in China (IECSC):**
On the inventory, or in compliance with the inventory

**Taiwan Chemical Substance Inventory (TCSI):**
On the inventory, or in compliance with the inventory

**SECTION 16. OTHER INFORMATION**

**Product AS SOLD**

**NFPA:**
- Flammability: 
- Health: 
- Instability: \n- Special hazard:

**HMIS III:**
- HEALTH: 1
- FLAMMABILITY: 0
- PHYSICAL HAZARD: 0

0 = not significant, 1 = Slight, 2 = Moderate, 3 = High, 4 = Extreme, * = Chronic

**Product AT USE DILUTION**

915485-01 9/10
SAFETY DATA SHEET

QSR QUARRY TILE FLOOR CLEANER

Issuing date: 05/17/2019
Version: 1.1
Prepared by: Regulatory Affairs

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Material 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.