Section: 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: QSR QUARRY TILE FLOOR CLEANER

Other means of identification: Not applicable.

Recommended use: Floor Cleaner

Restrictions on use: Reserved for industrial and professional use.

Product dilution information: 0.39%

Company: Kay Chemical Company
8300 Capital Drive
Greensboro, North Carolina USA 27409
1-800-529-5458

Emergency telephone number: 1-877-231-2615 (USA/Canada), 952-853-1713 (outside USA)

Issuing date: 21.11.2022

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 element

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.
SAFETY DATA SHEET  
QSR QUARRY TILE FLOOR CLEANER

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</td>
<td>27323-41-7</td>
<td>5 - 10</td>
</tr>
<tr>
<td>2,2',2''-nitrilotriethanol (1:1)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>sodium dodecylbenzene sulfonate</td>
<td>25155-30-0</td>
<td>1 - 5</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>ethanol</td>
<td>64-17-5</td>
<td>0.1 - 1</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. FIREFIGHTING 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 firefighting : Not flammable or combustible.
### Section: 6. ACCIDENTAL RELEASE MEASURES

**Product AS SOLD**

- **Personal precautions, protective equipment and emergency procedures**: Ensure clean-up is conducted by trained personnel only. 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. In case of mechanical malfunction, or if in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE).

- **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. In case of mechanical malfunction, or if in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE).
## Conditions for safe storage
Keep out of reach of children. Store in suitable labeled containers.

## Section: 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Product AS SOLD

#### Components with workplace control parameters

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Form of exposure</th>
<th>Permissible concentration</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>ethanol</td>
<td>64-17-5</td>
<td>TWA</td>
<td>1,000 ppm</td>
<td>ARE OEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1,880 mg/m^3</td>
<td></td>
</tr>
<tr>
<td>ethanol</td>
<td>64-17-5</td>
<td>TWA</td>
<td>1,000 ppm</td>
<td>NIOSH REL</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1,900 mg/m^3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>1,000 ppm</td>
<td>OSHA Z-1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1,900 mg/m^3</td>
<td></td>
</tr>
</tbody>
</table>

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**: None required if airborne concentrations are maintained below the exposure limit listed in Exposure Limit Information. Use certified respiratory protection equipment meeting EU requirements (89/656/EEC, (EU) 2016/425), or equivalent, when respiratory risks cannot be avoided or sufficiently limited by technical means of collective protection or by measures, methods or procedures of work organization.

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>
</tbody>
</table>
SAFETY DATA SHEET

QSR QUARRY TILE FLOOR CLEANER

Colour: clear, light green
colourless

Odour: Perfumes, fragrances
Perfumes, fragrances

pH: 2.6 - 3.6, (100 %)
3.7

Flash point: Not applicable., Does not sustain combustion.

Odour Threshold: no data available

Melting point/freezing point: no data available

Initial boiling point and boiling range: > 100 °C

Evaporation rate: no data available

Flammability (solid, gas): Not applicable.

Upper explosion limit: no data available

Lower explosion limit: no data available

Vapour pressure: no data available

Relative vapour density: no data available

Relative density: 1.04 - 1.065

Water solubility: soluble

Solubility in other solvents: no data available

Partition coefficient: n-octanol/water: no data available

Auto-ignition temperature: no data available

Thermal decomposition: no data available

Viscosity, kinematic: no data available

Explosive properties: no data available

Oxidizing properties: The substance or mixture is not classified as oxidizing.

Molecular weight: no data available

VOC: no data available

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: In case of fire hazardous decomposition products may be produced such as:
Carbon oxides
nitrogen oxides (NOx)
Sulphur oxides

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Revision Date :21.11.2022
# Section: 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

<table>
<thead>
<tr>
<th>Route of Exposure</th>
<th>Product AS SOLD</th>
<th>Product AT USE DILUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Eyes</td>
<td>Eyes</td>
</tr>
<tr>
<td></td>
<td>Skin</td>
<td>Skin</td>
</tr>
<tr>
<td></td>
<td>Ingestion</td>
<td>Ingestion</td>
</tr>
<tr>
<td></td>
<td>Inhalation</td>
<td>Inhalation</td>
</tr>
<tr>
<td></td>
<td>Chronic Exposure</td>
<td>Chronic Exposure</td>
</tr>
</tbody>
</table>

**Potential Health Effects**

**Product AS SOLD**

<table>
<thead>
<tr>
<th>Route of Exposure</th>
<th>Eyes</th>
<th>Skin</th>
<th>Ingestion</th>
<th>Inhalation</th>
<th>Chronic Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Causes eye irritation.</td>
<td>Health injuries are not known or expected under normal use.</td>
<td>Health injuries are not known or expected under normal use.</td>
<td>Health injuries are not known or expected under normal use.</td>
<td>Health injuries are not known or expected under normal use.</td>
</tr>
</tbody>
</table>

**Experience with human exposure**

**Product AS SOLD**

<table>
<thead>
<tr>
<th>Route of Exposure</th>
<th>Eye contact</th>
<th>Skin contact</th>
<th>Ingestion</th>
<th>Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Redness, Irritation</td>
<td>No symptoms known or expected.</td>
<td>No symptoms known or expected.</td>
<td>No symptoms known or expected.</td>
</tr>
</tbody>
</table>

**Product AT USE DILUTION**

<table>
<thead>
<tr>
<th>Route of Exposure</th>
<th>Eye contact</th>
<th>Skin contact</th>
<th>Ingestion</th>
<th>Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No symptoms known or expected.</td>
<td>No symptoms known or expected.</td>
<td>No symptoms known or expected.</td>
<td>No symptoms known or expected.</td>
</tr>
</tbody>
</table>

**Toxicity**

**Product AS SOLD**

- **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
SAFETY DATA SHEET
QSR QUARRY TILE FLOOR CLEANER

Skin corrosion/irritation : no data available
Serious eye damage/eye irritation : no data available
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

Components
Acute inhalation toxicity : ethanol
  4 h LC50 rat: 117 mg/l
  Test atmosphere: vapour

Section: 12. ECOLOGICAL INFORMATION

Toxicity
Product AS SOLD
Environmental Effects : Harmful to aquatic life.

Product AT USE DILUTION
Environmental Effects : This product has no known ecotoxicological effects.

Product AS SOLD
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 : dodecylbenzenesulphonic acid, compound with 2,2',2"-nitrilotriethanol (1:1)
  96 h LC50: 2.5 mg/l
  sodium dodecylbenzene sulfonate
  96 h LC50 Fish: 3.2 mg/l
  citric acid
  96 h LC50 Fish: > 100 mg/l
  Sodium poly(oxyethylene) dodecyl ether sulfate
  96 h LC50 Fish: 28 mg/l
  ethanol
  96 h LC50 Pimephales promelas (fathead minnow): > 100 mg/l
SAFETY DATA SHEET

QSR QUARRY TILE FLOOR CLEANER

Components

Toxicity to daphnia and other aquatic invertebrates: ethanol

48 h EC50 Aquatic Invertebrate: 857 mg/l

Persistence and degradability

**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 contents/container in accordance 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.

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 (ADR/ADN/RID)**

UN number: Not dangerous goods
UN proper shipping name: Not dangerous goods
Transport hazard class(es): Not dangerous goods
Packing group: Not dangerous goods
Environmental hazards: Not dangerous goods
Special precautions for user: Not dangerous goods

**Sea transport (IMDG/IMO)**

Not dangerous goods
Section: 15. REGULATORY INFORMATION

For Regulatory information please contact your Ecolab sales representative.

Section: 16. OTHER INFORMATION

Product AS SOLD
NFPA:

| Flammability | Instability | Special hazard.
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

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
NFPA:

| Flammability | Instability | Special hazard.
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

HMIS III:

- **HEALTH**: 0
- **FLAMMABILITY**: 0
- **PHYSICAL HAZARD**: 0

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

Issuing date : 21.11.2022
Version : 2.0
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 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.