# SAFETY DATA SHEET
## QC 93 ULTRA CONCENTRATED ACID BATHROOM CLEANER

### Section: 1. PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product name</td>
<td>QC 93 ULTRA CONCENTRATED ACID BATHROOM CLEANER</td>
</tr>
<tr>
<td>Other means of identification</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Recommended use</td>
<td>Cleaning product</td>
</tr>
<tr>
<td>Restrictions on use</td>
<td>Reserved for industrial and professional use.</td>
</tr>
<tr>
<td>Product dilution information</td>
<td>1.56 % - 3.13 %</td>
</tr>
</tbody>
</table>
| Company                            | Ecolab Co.  
5105 Tomken Road  
Mississauga, Ontario Canada L4W 2X5  
1-800-352-5326 |
| Emergency health information       | 1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US) |
| Issuing date                       | 08/29/2019 |

### 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**: None known.
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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>d-glucopyranose, oligomeric, decyl octyl glycosides</td>
<td>68515-73-1</td>
<td>5 - 10</td>
</tr>
<tr>
<td>Cocamidopropyl Betaine</td>
<td>61789-40-0</td>
<td>1 - 5</td>
</tr>
<tr>
<td>C10-16 Polyglycoside</td>
<td>110615-47-9</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. 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.
Hazardous combustion products: Decomposition products may include the following materials: Carbon oxides
Special protective equipment: Use personal protective equipment.
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. 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:** 5 °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). For personal protection see section 8.

**Conditions for safe storage:** Keep out of reach of children. Store in suitable labeled containers.
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Product AS SOLD
Components 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></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>Colour</td>
<td>clear, pink</td>
<td>pink</td>
</tr>
<tr>
<td>Odour</td>
<td>Floral</td>
<td>Floral</td>
</tr>
<tr>
<td>pH</td>
<td>4.15 - 5.56, (100 %)</td>
<td>5.0 - 5.3</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not applicable., Does not sustain combustion.</td>
<td></td>
</tr>
<tr>
<td>Odour Threshold</td>
<td>no data available</td>
<td>no data available</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>no data available</td>
<td>no data available</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>no data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>no data available</td>
<td>no data available</td>
</tr>
<tr>
<td>Upper explosion limit</td>
<td>no data available</td>
<td>no data available</td>
</tr>
<tr>
<td>Lower explosion limit</td>
<td>no data available</td>
<td>no data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>no data available</td>
<td>no data available</td>
</tr>
</tbody>
</table>
Relative vapour density : no data available
Relative density : 1.3 - 1.345
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 : No dangerous reaction known under conditions of normal use.
Conditions to avoid : None known.
Incompatible materials : Bases
Organic materials
Hazardous decomposition products : In case of fire hazardous decomposition products may be produced such as:
Carbon 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.

### 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.

### Experience with human exposure

<table>
<thead>
<tr>
<th>Product AS SOLD</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Eye contact</strong></td>
<td>Redness, Irritation</td>
</tr>
<tr>
<td><strong>Skin contact</strong></td>
<td>No symptoms known or expected</td>
</tr>
<tr>
<td><strong>Ingestion</strong></td>
<td>No symptoms known or expected</td>
</tr>
<tr>
<td><strong>Inhalation</strong></td>
<td>No symptoms known or expected</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product AT USE DILUTION</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Eye contact</strong></td>
<td>No symptoms known or expected</td>
</tr>
<tr>
<td><strong>Skin contact</strong></td>
<td>No symptoms known or expected</td>
</tr>
<tr>
<td><strong>Ingestion</strong></td>
<td>No symptoms known or expected</td>
</tr>
<tr>
<td><strong>Inhalation</strong></td>
<td>No symptoms known or expected</td>
</tr>
</tbody>
</table>

### Toxicity

<table>
<thead>
<tr>
<th>Product AS SOLD</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Acute oral toxicity</strong></td>
<td>Acute toxicity estimate: &gt; 5,000 mg/kg</td>
</tr>
<tr>
<td><strong>Acute inhalation toxicity</strong></td>
<td>no data available</td>
</tr>
<tr>
<td><strong>Acute dermal toxicity</strong></td>
<td>no data available</td>
</tr>
<tr>
<td><strong>Skin corrosion/irritation</strong></td>
<td>no data available</td>
</tr>
<tr>
<td><strong>Serious eye damage/eye irritation</strong></td>
<td>Mild eye irritation</td>
</tr>
<tr>
<td><strong>Respiratory or skin sensitization</strong></td>
<td>no data available</td>
</tr>
<tr>
<td><strong>Carcinogenicity</strong></td>
<td>no data available</td>
</tr>
<tr>
<td><strong>Reproductive effects</strong></td>
<td>no data available</td>
</tr>
<tr>
<td><strong>Germ cell mutagenicity</strong></td>
<td>no data available</td>
</tr>
<tr>
<td><strong>Teratogenicity</strong></td>
<td>no data available</td>
</tr>
<tr>
<td><strong>STOT - single exposure</strong></td>
<td>no data available</td>
</tr>
<tr>
<td><strong>STOT - repeated exposure</strong></td>
<td>no data available</td>
</tr>
<tr>
<td><strong>Aspiration toxicity</strong></td>
<td>no data available</td>
</tr>
</tbody>
</table>

### Components

**Acute dermal toxicity**: d-glucopyranose, oligomeric, decyl octyl glycosides
LD50 rabbit: > 2,000 mg/kg
Section: 12. ECOLOGICAL INFORMATION

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

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 : Cocamidopropyl Betaine
96 h LC50 Fish: 2 mg/l
C10-16 Polyglycoside
96 h LC50 Fish: 5 mg/l

Components
Toxicity to algae : d-glucopyranose, oligomeric, decyl octyl glycosides
72 h EC50: 18 mg/l

Persistence and degradability
Product AS SOLD
Readily biodegradable.

Product AT USE DILUTION
Readily 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.
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**Product AT USE DILUTION**

<table>
<thead>
<tr>
<th>Disposal methods</th>
<th>Diluted product can be flushed to sanitary sewer.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disposal concerns</td>
<td>Dispose of in accordance with local, state, and federal regulations.</td>
</tr>
</tbody>
</table>

**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 (TDG)**
Not dangerous goods

**Sea transport (IMDG/IMO)**
Not dangerous goods

**Section: 15. REGULATORY INFORMATION**

This product has been classified according to the hazard criteria of the HPR and the SDS contains all of the information required by the HPR.

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

**Switzerland. New notified substances and declared preparations**:
not determined

**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. Industrial Chemical (Notification and Assessment) Act**:
not determined

**New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand**:
not determined

**Japan. ENCS - Existing and New Chemical Substances Inventory**:
not determined

**Korea. Korean Existing Chemicals Inventory (KECI)**:
not determined

**Philippines Inventory of Chemicals and Chemical Substances (PICCS)**:
not determined

**China Inventory of Existing Chemical Substances**:
not determined

**Taiwan Chemical Substance Inventory**:
not determined
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Section: 16. OTHER INFORMATION

Product AS SOLD
NFPA:

<table>
<thead>
<tr>
<th>Flammability</th>
<th>Instability</th>
<th>Health</th>
<th>Instability</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
<td>1</td>
<td>0</td>
</tr>
</tbody>
</table>

Special hazard.

HMIS III:

<table>
<thead>
<tr>
<th>HEALTH</th>
<th>FLAMMABILITY</th>
<th>PHYSICAL HAZARD</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

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

Product AT USE DILUTION
NFPA:

<table>
<thead>
<tr>
<th>Flammability</th>
<th>Instability</th>
<th>Health</th>
<th>Instability</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
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</table>

Special hazard.

HMIS III:

<table>
<thead>
<tr>
<th>HEALTH</th>
<th>FLAMMABILITY</th>
<th>PHYSICAL HAZARD</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

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

Issuing date : 08/29/2019
Version : 1.4
Prepared by : Regulatory Affairs 1-800-352-5326

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.