### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th><strong>Product name</strong></th>
<th>73 DISINFECTING ACID BATHROOM CLEANER</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Other means of identification</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Recommended use</strong></td>
<td>Disinfectant</td>
</tr>
<tr>
<td><strong>Restrictions on use</strong></td>
<td>Reserved for industrial and professional use.</td>
</tr>
<tr>
<td><strong>Product dilution information</strong></td>
<td>6.25% - 9.375%</td>
</tr>
<tr>
<td><strong>Company</strong></td>
<td>Ecolab Inc.</td>
</tr>
<tr>
<td></td>
<td>1 Ecolab Place</td>
</tr>
<tr>
<td></td>
<td>St. Paul, Minnesota USA 55102</td>
</tr>
<tr>
<td></td>
<td>1-800-352-5326</td>
</tr>
</tbody>
</table>

**Emergency health information**
- 1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US)

**Issuing date**
- 09/10/2021

### SECTION 2. HAZARDS IDENTIFICATION

**GHS Classification**

**Product AS SOLD**
- **Serious eye damage**: Category 1
- **Skin corrosion**: Category 1A

**Product AT USE DILUTION**
- **Eye irritation**: Category 2B

**GHS label elements**

**Product AS SOLD**
- **Hazard pictograms**: 

<table>
<thead>
<tr>
<th>Signal Word</th>
<th>Danger</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazard Statements</td>
<td>Causes serious eye damage.</td>
</tr>
<tr>
<td>Precautionary Statements</td>
<td><strong>Prevention</strong>: Keep only in original container. Wear eye protection/ face protection. <strong>Response</strong>: 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. Absorb spillage to prevent material damage.</td>
</tr>
</tbody>
</table>

**Product AT USE DILUTION**

<table>
<thead>
<tr>
<th>Signal Word</th>
<th>Warning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazard Statements</td>
<td>Causes eye irritation.</td>
</tr>
</tbody>
</table>
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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 AS SOLD

Other hazards:
Do not mix with bleach or other chlorinated products – will cause chlorine gas.

Product AT USE DILUTION

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>citric acid</td>
<td>77-92-9</td>
<td>10 - 30</td>
</tr>
<tr>
<td>Alkylamine ethoxylates</td>
<td>61791-14-8</td>
<td>10 - 30</td>
</tr>
<tr>
<td>Decanoic Acid</td>
<td>334-48-5</td>
<td>1.65</td>
</tr>
<tr>
<td>Nonanoic acid</td>
<td>112-05-0</td>
<td>1 - 5</td>
</tr>
</tbody>
</table>

Product AT USE DILUTION

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No.</th>
<th>Concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Decanoic Acid</td>
<td>334-48-5</td>
<td>0.1546</td>
</tr>
</tbody>
</table>

SECTION 4. FIRST AID MEASURES

Product AS SOLD

In case of eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

In case of skin contact: Wash off immediately with plenty of water for at least 15 minutes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

If swallowed: Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

If inhaled: Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.

Protection of first-aiders: If potential for exposure exists refer to Section 8 for specific personal protective equipment.

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
Nitrogen oxides (NOx)

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:
Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. 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: Do not allow contact with soil, surface or ground water.

Methods and materials for: Stop leak if safe to do so. Contain spillage, and then collect with non-
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containment and cleaning up: 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: Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Use only with adequate ventilation. 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: 5 °C to 40 °C

Product AT USE DILUTION
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.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

Engineering measures: Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

Personal protective equipment
Eye protection: Wear eye protection and/or face protection.

Hand protection: Wear the following personal protective equipment:
Standard glove type.
Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Skin protection: Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing

Respiratory protection: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.
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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, pink</td>
<td>pink</td>
</tr>
<tr>
<td>Odor</td>
<td>soapy</td>
<td>soapy</td>
</tr>
<tr>
<td>pH</td>
<td>2.8, (100 %)</td>
<td>3.0</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>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>Not applicable</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>1.075 - 1.095</td>
<td></td>
</tr>
<tr>
<td>Water solubility</td>
<td>soluble</td>
<td></td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Thermal decomposition</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Molecular weight</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>VOC</td>
<td>No data available</td>
<td></td>
</tr>
</tbody>
</table>

SECTION 10. STABILITY AND REACTIVITY
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**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:
- Chlorine-based bleaching agents
- Strong bases
- Water-reactive substances

Hazardous decomposition products:
In case of fire hazardous decomposition products may be produced such as:
- Carbon oxides
- Nitrogen oxides (NOx)

**SECTION 11. TOXICOLOGICAL INFORMATION**

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

**Potential Health Effects**

**Product AS SOLD**

Eyes: Causes serious eye damage.

Skin: Causes severe skin burns.

Ingestion: Causes digestive tract burns.

Inhalation: May cause nose, throat, and lung irritation.

Chronic Exposure: Health injuries are not known or expected under normal use.

**Product AT USE DILUTION**

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.

**Experience with human exposure**

**Product AS SOLD**

Eye contact: Redness, Pain, Corrosion

Skin contact: Redness, Pain, Corrosion

Ingestion: Corrosion, Abdominal pain

Inhalation: Respiratory irritation, Cough
SAFETY DATA SHEET

73 DISINFECTING ACID BATHROOM CLEANER

**Product AT USE DILUTION**

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

**Toxicity**

**Product AS SOLD**

- **Acute oral toxicity**: Acute toxicity estimate: 4,315 mg/kg
- **Acute inhalation toxicity**: No data available
- **Acute dermal toxicity**: No data available
- **Skin corrosion/irritation**: No data available
- **Serious eye damage/eye irritation**: Irreversible effects on the eye
- **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 dermal toxicity**: Alkylamine ethoxylates
  - LD50 Rabbit: > 2,000 mg/kg
  - Test substance: Information given is based on data obtained from similar substances.
  - Decanoic Acid
  - LD50 Rabbit: > 5,000 mg/kg

**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

**Product AS SOLD**

- **Environmental Effects**: This product has no known ecotoxicological effects.

**Product AT USE DILUTION**

- **Environmental Effects**: This product has no known ecotoxicological effects.

**Product AS SOLD**

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

#### Components

**Toxicity to fish**
- **citric acid**
  - 96 h LC50 Fish: > 100 mg/l
- **Alkylamine ethoxylates**
  - 96 h LC50 Leuciscus idus (Golden orfe): > 1 mg/l
- **Decanoic Acid**
  - 96 h LC50 Fish: 20 mg/l
- **Nonanoic acid**
  - 96 h LC50 Pimephales promelas: 104 mg/l

**Toxicity to daphnia and other aquatic invertebrates**
- **Alkylamine ethoxylates**
  - LC50 Daphnia magna (Water flea): > 10 mg/l
- **Nonanoic acid**
  - 48 h EC50 Daphnia: 96 mg/l

**Toxicity to algae**
- **Nonanoic acid**
  - 72 h EC50 Pseudokirchneriella subcapitata (algae): 60 mg/l

#### Persistence and degradability

**Product AT USE DILUTION**
- Not applicable - Biocide

**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 reuse 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.
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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 (DOT)

Not dangerous goods

Sea transport (IMDG/IMO)

Not dangerous goods

SECTION 15. REGULATORY INFORMATION

Product AS SOLD

EPA Registration number : 1677-246

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

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

Corrosive to Metals

Skin corrosion or irritation

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>citric acid</td>
<td>77-92-9</td>
<td>Buffer</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Alkylamine ethoxylates</td>
<td>61791-14-8</td>
<td>Cleaning Agent</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>tetrasodium n,n-bis(carboxylatomethyl)-l-glutamate</td>
<td>51981-21-6</td>
<td>Cleaning Agent</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>
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<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS Number</th>
<th>Category</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Decanoic Acid</td>
<td>334-48-5</td>
<td>Biocide</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Nonanoic acid</td>
<td>112-05-0</td>
<td>Biocide</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>nonionic surfactant</td>
<td>Withheld</td>
<td>Cleaning Agent</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Nonionic surfactant</td>
<td>Withheld</td>
<td>Cleaning Agent</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Dye</td>
<td>Withheld</td>
<td>Dye</td>
<td>Not Applicable</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)**: This product contains one or several components listed in the Canadian NDSL.

**Australia. Australian Industrial Chemicals Introduction Scheme (AICIS)**: 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**: 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 in China (IECSC)**: not determined

**Taiwan Chemical Substance Inventory (TCSI)**: not determined

SECTION 16. OTHER INFORMATION

**Product AS SOLD**

<table>
<thead>
<tr>
<th>NFPA</th>
<th>HMIS III</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammability</td>
<td>HEALTH 2</td>
</tr>
<tr>
<td>Health</td>
<td>FLAMMABILITY 0</td>
</tr>
<tr>
<td>Instability</td>
<td>PHYSICAL HAZARD 0</td>
</tr>
</tbody>
</table>

Special hazard

**Product AT USE DILUTION**
SAFETY DATA SHEET

73 DISINFECTING ACID BATHROOM CLEANER

Issuing date : 09/10/2021
Version : 1.4
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.