

**REVITALIZE PERFUSION CARPET AND UPHOLSTERY CLEANER**
**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : REVITALIZE PERFUSION CARPET AND UPHOLSTERY CLEANER

Other means of identification : Not applicable

Recommended use : Carpet or Upholstery cleaner

Restrictions on use : Reserved for industrial and professional use.

Product dilution information : 1.56 %

Company : Ecolab Inc.  
1 Ecolab Place  
St. Paul, Minnesota USA 55102  
1-800-352-5326

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

Issuing date : 06/28/2019

**SECTION 2. HAZARDS IDENTIFICATION**
**GHS Classification**
**Product AS SOLD**

Acute toxicity (Oral) : Category 4  
Eye irritation : Category 2A

**Product AT USE DILUTION**

Not a hazardous substance or mixture.

**GHS label elements**
**Product AS SOLD**

Hazard pictograms :



Signal Word : Warning

Hazard Statements : Harmful if swallowed.  
Causes serious eye irritation.

Precautionary Statements : **Prevention:**  
Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear eye protection/ face protection.  
**Response:**  
IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. 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.  
**Disposal:**  
Dispose of contents/ container to an approved waste disposal plant.

## SAFETY DATA SHEET

### REVITALIZE PERFUSION CARPET AND UPHOLSTERY CLEANER

#### 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

| Chemical name                           | CAS-No.                | Concentration (%) |
|---|------------------------|-------------------|
| Sodium carbonate peroxide               | 15630-89-4             | 30 - 60           |
| Sodium Carbonate                        | 497-19-8               | 10 - 30           |
| citric acid                             | 77-92-9                | 10 - 30           |
| ethylenediamine tetraacetate            | 64-02-8                | 5 - 10            |
| alcohols, c12-14-secondary, ethoxylated | 84133-50-6             | 1 - 5             |
| Tridecyloxypoly(ethyleneoxy)acetic acid | 68412-55-5             | 1 - 5             |
| Ethoxylated Compound                    | Proprietary Ingredient | 1 - 5             |

#### Product AT USE DILUTION

No hazardous ingredients

### SECTION 4. FIRST AID MEASURES

#### Product AS SOLD

In case of eye contact : 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.

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 : 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.

## SAFETY DATA SHEET

### REVITALIZE PERFUSION CARPET AND UPHOLSTERY CLEANER

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
- 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 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 : Sweep up and shovel into suitable containers for disposal.

##### 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). 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. Avoid contact with skin and eyes. Wash hands thoroughly after handling. Do not mix with bleach or other chlorinated products – will cause chlorine gas.

## SAFETY DATA SHEET

### REVITALIZE PERFUSION CARPET AND UPHOLSTERY CLEANER

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

#### Personal protective equipment

Eye protection : Safety glasses with side-shields

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. Wash face, hands and any exposed skin thoroughly after handling.

#### 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

|                | Product AS SOLD     | Product AT USE DILUTION |
|----------------|---------------------|-------------------------|
| Appearance     | : powder            | liquid                  |
| Color          | : opaque, white     | colorless               |
| Odor           | : odorless          | like acrylic            |
| pH             | : 9.5 - 10.5, (1 %) | 9.28                    |
| Flash point    | : Not applicable    |                         |
| Odor Threshold | : No data available |                         |

## SAFETY DATA SHEET

### REVITALIZE PERFUSION CARPET AND UPHOLSTERY CLEANER

|   |                     |
|---|---------------------|
| Melting point/freezing point            | : No data available |
| Initial boiling point and boiling range | : No data available |
| Evaporation rate                        | : No data available |
| Flammability (solid, gas)               | : No data available |
| Upper explosion limit                   | : No data available |
| Lower explosion limit                   | : No data available |
| Vapor pressure                          | : No data available |
| Relative vapor density                  | : No data available |
| Relative density                        | : 0.75 - 0.95       |
| Water solubility                        | : No data available |
| Solubility in other solvents            | : No data available |
| Partition coefficient: n-octanol/water  | : No data available |
| Autoignition temperature                | : No data available |
| Thermal decomposition                   | : No data available |
| Viscosity, kinematic                    | : No data available |
| Explosive properties                    | : No data available |
| Oxidizing properties                    | : No data available |
| 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             | : Acids<br>Metals<br>Organic materials  |
| Hazardous decomposition products   | : Decomposition products may include the following materials:<br>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 serious eye irritation.

## SAFETY DATA SHEET

### REVITALIZE PERFUSION CARPET AND UPHOLSTERY CLEANER

|                  |   |
|------------------|---|
| Skin             | : Health injuries are not known or expected under normal use. |
| Ingestion        | : Harmful if swallowed.                                       |
| 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

##### Product AS SOLD

|              |                                  |
|--------------|----------------------------------|
| Eye contact  | : Redness, Pain, Irritation      |
| Skin contact | : No symptoms known or expected. |
| Ingestion    | : No information available.      |
| 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 : 1,746 mg/kg |
| Acute inhalation toxicity         | : No data available                     |
| Acute dermal toxicity             | : No data available                     |
| Skin corrosion/irritation         | : No skin irritation                    |
| Serious eye damage/eye irritation | : Eye irritation                        |
| Respiratory or skin sensitization | : No data available                     |
| Carcinogenicity                   | : No data available                     |
| Reproductive effects              | : No data available                     |
| Germ cell mutagenicity            | : No data available                     |

## SAFETY DATA SHEET

### REVITALIZE PERFUSION CARPET AND UPHOLSTERY CLEANER

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 : alcohols, c12-14-secondary, ethoxylated  
LD50 Rat: > 2,000 mg/kg

Tridecyloxypoly(ethyleneoxy)acetic acid  
LD50 : > 2,000 mg/kg

### SECTION 12. ECOLOGICAL INFORMATION

#### Product AS SOLD

##### Ecotoxicity

Environmental Effects : Harmful to aquatic life.

##### Product

Toxicity to fish : 96 h LC50: 58.0 mg/l

Toxicity to daphnia and other  
aquatic invertebrates : No data available

Toxicity to algae : No data available

#### Components

Toxicity to daphnia and other  
aquatic invertebrates : Sodium carbonate peroxide  
48 h EC50 Daphnia: 4.9 mg/l

Sodium Carbonate  
48 h EC50 Ceriodaphnia (water flea): 213.5 mg/l

alcohols, c12-14-secondary, ethoxylated  
48 h EC50 Daphnia magna (Water flea): 3.1 mg/l  
Test substance: Information given is based on data obtained from  
similar substances.

Tridecyloxypoly(ethyleneoxy)acetic acid  
LC50 Daphnia magna (Water flea): > 10 mg/l

#### Components

Toxicity to algae : Tridecyloxypoly(ethyleneoxy)acetic acid  
EC50: > 10 mg/l

#### Persistence and degradability

##### Product AS SOLD

Poorly biodegradable

##### Product AT USE DILUTION

Poorly biodegradable

#### Bioaccumulative potential

No data available

## SAFETY DATA SHEET

### REVITALIZE PERFUSION CARPET AND UPHOLSTERY CLEANER

#### Mobility in soil

No data available

#### Other adverse effects

No data available

### SECTION 13. DISPOSAL CONSIDERATIONS

#### Product AS SOLD

- Disposal methods : The product should not be allowed to enter drains, water courses or the soil. 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 : The product should not be allowed to enter drains, water courses or the soil. 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.

### 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

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



## SAFETY DATA SHEET

### REVITALIZE PERFUSION CARPET AND UPHOLSTERY CLEANER

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards** : Acute toxicity (any route of exposure)  
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.

| Chemical Name                           | CAS-No.       | Function       | List(s)        |
|---|---------------|----------------|----------------|
| Sodium carbonate peroxide               | 15630-89-4    | Cleaning Agent | Not Applicable |
| Inorganic salt                          | Withheld      | Cleaning Agent | Not Applicable |
| Sodium Carbonate                        | 497-19-8      | Cleaning Agent | Not Applicable |
| citric acid                             | 77-92-9       | Cleaning Agent | Not Applicable |
| ethylenediamine tetraacetate            | 64-02-8       | Cleaning Agent | Not Applicable |
| alcohols, c12-14-secondary, ethoxylated | 84133-50-6    | Cleaning Agent | Not Applicable |
| Tridecyloxypoly(ethyleneoxy)acetic acid | 68412-55-5    | Cleaning Agent | Not Applicable |
| Sandopan DTC Acid Liquid                | Not Available | Cleaning Agent | Not Applicable |

\*refer to [ecolab.com/sds](http://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) :

not determined

##### New Zealand. Inventory of Chemical Substances :

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

## SAFETY DATA SHEET

### REVITALIZE PERFUSION CARPET AND UPHOLSTERY CLEANER

China. Inventory of Existing Chemical Substances in China (IECSC) :

On the inventory, or in compliance with the inventory

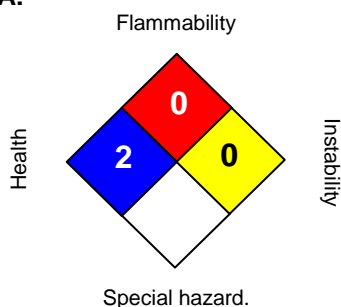
Taiwan Chemical Substance Inventory (TCSI) :

not determined

#### SECTION 16. OTHER INFORMATION

##### Product AS SOLD

###### NFPA:



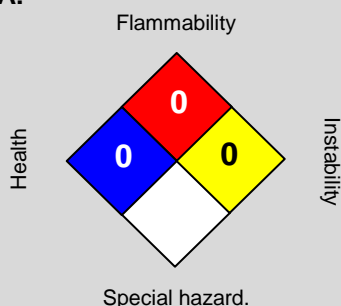
###### HMIS III:

|                 |   |
|-----------------|---|
| HEALTH          | 2 |
| FLAMMABILITY    | 0 |
| PHYSICAL HAZARD | 0 |

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

##### Product AT USE DILUTION

###### NFPA:



###### HMIS III:

|                 |   |
|-----------------|---|
| HEALTH          | 0 |
| FLAMMABILITY    | 0 |
| PHYSICAL HAZARD | 0 |

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

Issuing date : 06/28/2019  
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 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.