

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : KEYSTONE FRYER CLEANER

Other means of identification : Not applicable

Recommended use : Degreaser

Restrictions on use : Reserved for industrial and professional use.

Product dilution information : Product is sold ready to use.

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 : 03/08/2018

**SECTION 2. HAZARDS IDENTIFICATION**
**GHS Classification**

Acute toxicity (Oral) : Category 4

Skin corrosion : Category 1B

Serious eye damage : Category 1

Specific target organ systemic toxicity - single exposure : Category 3 (Respiratory system)

**GHS label elements**

Hazard pictograms :




Signal Word : Danger

Hazard Statements : Harmful if swallowed.  
Causes severe skin burns and eye damage.  
May cause respiratory irritation.

Precautionary Statements : **Prevention:**  
Do not breathe dusts or mists. Wash skin thoroughly after handling.  
Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:**  
IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

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Continue rinsing. Immediately call a POISON CENTER/doctor. Wash contaminated clothing before reuse.

**Storage:**

Store in a well-ventilated place. Keep container tightly closed. Store locked up.

**Disposal:**

Dispose of contents/ container to an approved waste disposal plant.

**Other hazards** : None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture : Mixture

| Chemical name                 | CAS-No.    | Concentration (%) |
|-------------------------------|------------|-------------------|
| sodium metasilicate           | 6834-92-0  | 60 - 100          |
| Sodium Carbonate              | 497-19-8   | 10 - 30           |
| ethylenediamine tetraacetate  | 64-02-8    | 1 - 5             |
| alcohols, c12-16, ethoxylated | 68551-12-2 | 1 - 5             |

### SECTION 4. FIRST AID MEASURES

- 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. Use a mild soap if available. 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.

### SECTION 5. FIRE-FIGHTING MEASURES

- 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 : Decomposition products may include the following materials:

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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.

Methods and materials for containment and cleaning up : Sweep up and shovel into suitable containers for disposal.

Storage temperature : 0 °C to 50 °C

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

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|                        |                                                                                                                                                                                                                                                                                                                      |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. |

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                         |                                                |
|-----------------------------------------|------------------------------------------------|
| Appearance                              | : powder                                       |
| Color                                   | : clear, white                                 |
| Odor                                    | : slight                                       |
| pH                                      | : 12.0 - 13.2, (1 %)                           |
| Flash point                             | : Not applicable, Does not sustain combustion. |
| Odor Threshold                          | : No data available                            |
| 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                        | : No data available                            |
| 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

|                                    |                                                               |
|------------------------------------|---------------------------------------------------------------|
| Chemical stability                 | : Stable under normal conditions.                             |
| Possibility of hazardous reactions | : No dangerous reaction known under conditions of normal use. |
| Conditions to avoid                | : None known.                                                 |

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|                                  |                                                                                                                                                  |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Incompatible materials           | : Acids<br>Metals                                                                                                                                |
| Hazardous decomposition products | : Decomposition products may include the following materials:<br>Carbon oxides<br>Nitrogen oxides (NOx)<br>Sulfur oxides<br>Oxides of phosphorus |

#### SECTION 11. TOXICOLOGICAL INFORMATION

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

##### Potential Health Effects

|                  |                                                                                        |
|------------------|----------------------------------------------------------------------------------------|
| Eyes             | : Causes serious eye damage.                                                           |
| Skin             | : Causes severe skin burns.                                                            |
| Ingestion        | : Harmful if swallowed. Causes digestive tract burns.                                  |
| Inhalation       | : May cause respiratory tract irritation. May cause nose, throat, and lung irritation. |
| Chronic Exposure | : Health injuries are not known or expected under normal use.                          |

##### Experience with human exposure

|              |                                 |
|--------------|---------------------------------|
| Eye contact  | : Redness, Pain, Corrosion      |
| Skin contact | : Redness, Pain, Corrosion      |
| Ingestion    | : Corrosion, Abdominal pain     |
| Inhalation   | : Respiratory irritation, Cough |

##### Toxicity

###### Product

|                                   |                                       |
|-----------------------------------|---------------------------------------|
| Acute oral toxicity               | : Acute toxicity estimate : 572 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 | : 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                   |

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STOT-repeated exposure : No data available

Aspiration toxicity : No data available

#### Ingredients

Acute dermal toxicity : alcohols, c12-16, ethoxylated  
LD50 Rabbit: > 2,000 mg/kg

### SECTION 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

Environmental Effects : This product has no known ecotoxicological effects.

#### Product

Toxicity to fish : No data available

Toxicity to daphnia and other aquatic invertebrates : No data available

Toxicity to algae : No data available

#### Ingredients

Toxicity to fish : sodium metasilicate  
96 h LC50 Fish: 210 mg/l

Sodium Carbonate  
96 h LC50 Lepomis macrochirus (Bluegill sunfish): 300 mg/l

ethylenediamine tetraacetate  
96 h LC50 Fish: 121 mg/l

alcohols, c12-16, ethoxylated  
LC50: 1.5 mg/l

#### Ingredients

Toxicity to daphnia and other aquatic invertebrates : Sodium Carbonate  
48 h EC50 Ceriodaphnia (water flea): 213.5 mg/l

#### Persistence and degradability

Poorly biodegradable

#### Bioaccumulative potential

No data available

#### Mobility in soil

No data available

#### Other adverse effects

No data available

### SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods : 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.

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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.

RCRA - Resource Conservation and Recovery Authorization Act Hazardous waste : D002 (Corrosive)

#### SECTION 14. TRANSPORT INFORMATION

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)

UN number : 3253  
Description of the goods : Disodium trioxosilicate  
Class : 8  
Packing group : III  
Environmentally hazardous : no

##### Sea transport (IMDG/IMO)

UN number : 3253  
Description of the goods : DISODIUM TRIOXOSILICATE, MIXTURE  
Class : 8  
Packing group : III  
Marine pollutant : no

#### SECTION 15. REGULATORY INFORMATION

##### 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** : Acute toxicity (any route of exposure)  
Skin corrosion or irritation  
Serious eye damage or eye irritation  
Specific target organ toxicity (single or repeated exposure)

**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.

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

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**Switzerland. New notified substances and declared preparations :**  
On the inventory, or in compliance with the inventory

**United States TSCA Inventory :**  
On the inventory, or in compliance with the 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

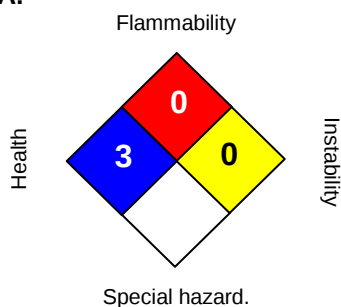
**Philippines Inventory of Chemicals and Chemical Substances (PICCS) :**  
On the inventory, or in compliance with the inventory

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

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

### SECTION 16. OTHER INFORMATION

#### NFPA:



#### HMIS III:

|                 |   |
|-----------------|---|
| HEALTH          | 3 |
| FLAMMABILITY    | 0 |
| PHYSICAL HAZARD | 0 |

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

Issuing date : 03/08/2018  
Version : 1.0  
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 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

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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.