



## SAFETY DATA SHEET

### BOILER CARE 1011

#### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : BOILER CARE 1011

Other means of identification : Not applicable

Recommended use : Water treatment chemical

Restrictions on use : Reserved for industrial and professional use.

Product dilution information : Product is sold ready to use.

Company : Ecolab Inc.  
370 N. Wabasha Street  
St. Paul, Minnesota USA 55102  
1-800-352-5326

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

Issuing date : 01/27/2015

#### SECTION 2. HAZARDS IDENTIFICATION

##### GHS Classification

Not a hazardous substance or mixture.

##### GHS Label element

Precautionary Statements : **Prevention:**  
Wash hands thoroughly after handling.  
**Response:**  
Get medical advice/ attention if you feel unwell.  
**Storage:**  
Store in accordance with local regulations.

Other hazards : None known.

#### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture : Mixture

| Chemical Name    | CAS-No.   | Concentration (%) |
|------------------|-----------|-------------------|
| sodium bisulfite | 7631-90-5 | 1 - 5             |

#### SECTION 4. FIRST AID MEASURES

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 : No specific measures identified.

# SAFETY DATA SHEET

## BOILER CARE 1011

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 products : Decomposition products may include the following materials:  
Carbon oxides  
Nitrogen oxides (NO<sub>x</sub>)  
Sulfur oxides  
Oxides of phosphorus

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.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

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

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.

Storage temperature : 0 °C to 50 °C

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

| Ingredients | CAS-No. | Form of exposure | Permissible concentration | Basis |
|-------------|---------|------------------|---------------------------|-------|
|-------------|---------|------------------|---------------------------|-------|

## SAFETY DATA SHEET

### BOILERCARE 1011

|                  |           |     |         |           |
|------------------|-----------|-----|---------|-----------|
| sodium bisulfite | 7631-90-5 | TWA | 5 mg/m3 | ACGIH     |
|                  |           | TWA | 5 mg/m3 | NIOSH REL |

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 : Wash hands before breaks and immediately after handling the product.

#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

|   |  |
|---|--|
| Appearance                              | : liquid                                       |
| Color                                   | : clear, light yellow                          |
| Odor                                    | : pungent                                      |
| pH                                      | : 7.0 - 7.5, 100 %                             |
| 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 | : > 100 °C                                     |
| 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                        | : 1.14 - 1.24                                  |
| Water solubility                        | : soluble                                      |
| 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                            |

## SAFETY DATA SHEET

### BOILER CARE 1011

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.

Incompatible materials : Acids

Hazardous decomposition products : Decomposition products may include the following materials:  
Carbon oxides  
Nitrogen oxides (NO<sub>x</sub>)  
Sulfur oxides  
Oxides of phosphorus

#### SECTION 11. TOXICOLOGICAL INFORMATION

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

##### Potential Health Effects

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

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

Acute oral toxicity : Acute toxicity estimate : > 5,000 mg/kg

Acute inhalation toxicity : No data available

Acute dermal toxicity : No data available

Skin corrosion/irritation : No data available

## SAFETY DATA SHEET

### BOILER CARE 1011

|                                   |  |
|-----------------------------------|--|
| Serious eye damage/eye irritation | : No data available  |
| Respiratory or skin sensitization | : Contains an ingredient that can cause asthmatic-like reactions in sulfite-sensitive individuals. |
| 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  |

### 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 bisulfite<br>96 h LC50 Fish: 177.8 mg/l |
|------------------|--|

#### Persistence and degradability

No data available

#### Bioaccumulative potential

No data available

#### Mobility in soil

No data available

#### Other adverse effects

No data available

### SECTION 13. DISPOSAL CONSIDERATIONS

|                         |  |
|-------------------------|--|
| 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

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

## SAFETY DATA SHEET

### BOILERCARE 1011

#### Land transport (DOT)

Not dangerous goods

#### Sea transport (IMDG/IMO)

Not dangerous goods

### SECTION 15. REGULATORY INFORMATION

#### EPCRA - Emergency Planning and Community Right-to-Know

##### CERCLA Reportable Quantity

| Ingredients      | CAS-No.   | Component RQ (lbs) | Calculated product RQ (lbs) |
|------------------|-----------|--------------------|-----------------------------|
| sodium bisulfite | 7631-90-5 | 5000               | 156250                      |

##### SARA 304 Extremely Hazardous Substances Reportable Quantity

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

**SARA 311/312 Hazards** : No SARA Hazards

**SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**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:

##### United States TSCA Inventory :

On TSCA 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

##### Japan. ISHL - Inventory of Chemical Substances (METI) :

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

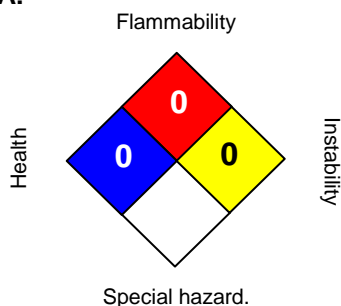
# SAFETY DATA SHEET

## BOILER CARE 1011

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

### SECTION 16. OTHER INFORMATION

#### NFPA:



#### HMIS III:

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

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

Issuing date : 01/27/2015  
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 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.