



## SAFETY DATA SHEET

### SMARTPOWER DISHMACHINE DETERGENT SPECIALTY LIQUID PREMIX

#### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : SMARTPOWER DISHMACHINE DETERGENT SPECIALTY LIQUID PREMIX

Other means of identification : Not applicable

Recommended use : Intermediate

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

Issuing date : 03/30/2016

#### SECTION 2. HAZARDS IDENTIFICATION

##### GHS Classification

Not a hazardous substance or mixture.

##### GHS label elements

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 (%) |
|---------------|------------------------|-------------------|
| Polymer       | Proprietary Ingredient | 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.

## SAFETY DATA SHEET

### SMARTPOWER DISHMACHINE DETERGENT SPECIALTY LIQUID PREMIX

|   |  |
|---|--|
| Notes to physician  | : No specific measures identified.   |
| 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:<br>Carbon oxides<br>Nitrogen oxides (NOx)<br>Sulfur oxides<br>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

Contains no substances with occupational exposure limit values.

## SAFETY DATA SHEET

### SMARTPOWER DISHMACHINE DETERGENT SPECIALTY LIQUID PREMIX

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, amber   |
| Odor                                    | : not significant  |
| pH                                      | : 4.5 - 5.5, 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                        | : 1.34 - 1.38  |
| 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                    | : The substance or mixture is not classified as oxidizing. |
| Molecular weight                        | : No data available  |
| VOC                                     | : No data available  |

## SAFETY DATA SHEET

### SMARTPOWER DISHMACHINE DETERGENT SPECIALTY LIQUID PREMIX

#### 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             | : None known.   |
| Hazardous decomposition products   | : Decomposition products may include the following materials:<br>Carbon oxides<br>Nitrogen oxides (NO <sub>x</sub> )<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             | : 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

###### Product

|                                   |  |
|-----------------------------------|--|
| Acute oral toxicity               | : No data available  |
| Acute inhalation toxicity         | : No data available  |
| Acute dermal toxicity             | : Acute toxicity estimate : > 5,000 mg/kg  |
| Skin corrosion/irritation         | : No data available  |
| 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  |

## SAFETY DATA SHEET

### SMARTPOWER DISHMACHINE DETERGENT SPECIALTY LIQUID PREMIX

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

#### Ingredients

Acute oral toxicity : Polymer  
LD50 Rat: > 5,000 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 : Polymer  
96 h LC50 Fish: > 100 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.

#### Land transport (DOT)

Not dangerous goods

## SAFETY DATA SHEET

### SMARTPOWER DISHMACHINE DETERGENT SPECIALTY LIQUID PREMIX

#### Sea transport (IMDG/IMO)

Not dangerous goods

### 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** : 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 :

All components are listed or exempted.

##### Canadian Domestic Substances List (DSL) :

This product contains one or several components that are not on the Canadian DSL nor NDSL.

##### 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

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

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) :

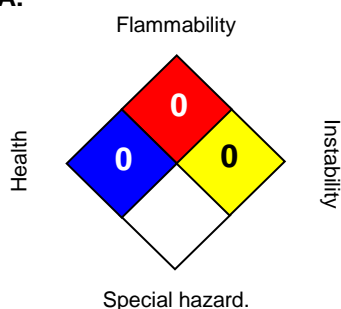
not determined

## SAFETY DATA SHEET

### SMARTPOWER DISHMACHINE DETERGENT SPECIALTY LIQUID PREMIX

#### 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 : 03/30/2016  
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.