

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : CRYSTAL FUSION DYE PREMIX

Other means of identification : Not applicable

Recommended use : Intermediate

Restrictions on use : Reserved for industrial and professional use.

Product dilution information : No dilution information provided.

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 : 01/19/2015

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

Skin sensitization : Category 1

**GHS Label element**

Hazard pictograms :



Signal Word : Warning

Hazard Statements : May cause an allergic skin reaction.

Precautionary Statements : **Prevention:**  
Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves.  
**Response:**  
IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/ attention. Wash contaminated clothing before reuse.  
**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 (%) |
|--|------------|-------------------|
| mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [CAS no. 26172-55-4] and 2-methyl-2H-isothiazol-3-one [CAS no. 2682-20-4] | 55965-84-9 | 0.1 - 1           |

## SAFETY DATA SHEET

### CRYSTAL FUSION DYE PREMIX

#### SECTION 4. FIRST AID MEASURES

|   |  |
|---|--|
| In case of eye contact                                      | : Rinse with plenty of water.  |
| 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. |
| 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.   |

#### 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. In the event of fire and/or explosion do not breathe fumes. |

#### SECTION 6. ACCIDENTAL RELEASE MEASURES

|   |  |
|---|--|
| 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               | : 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 |

## SAFETY DATA SHEET

### CRYSTAL FUSION DYE PREMIX

spilled material or otherwise contain material to ensure runoff does not reach a waterway.

#### SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Do not get in eyes, on skin, or on clothing. Wash hands thoroughly after handling.
- 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.

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

##### Personal protective equipment

- Eye protection : No special protective equipment required.
- 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 : 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.

#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : liquid
- Color : opaque, dark green
- Odor : odorless
- pH : 4.0 - 6.0, 1 %
- Flash point : Not applicable
- 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

## SAFETY DATA SHEET

### CRYSTAL FUSION DYE PREMIX

|  |                     |
|--|---------------------|
| 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.   |
| 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             | : May cause allergic skin reaction.                           |
| 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

## SAFETY DATA SHEET

### CRYSTAL FUSION DYE PREMIX

|              |   |
|--------------|---|
| Eye contact  | : No symptoms known or expected.          |
| Skin contact | : Redness, Irritation, Allergic reactions |
| Ingestion    | : No symptoms known or expected.          |
| Inhalation   | : No symptoms known or expected.          |

#### Toxicity

|                                   |                     |
|-----------------------------------|---------------------|
| Acute oral toxicity               | : No data available |
| 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 |
| STOT-repeated exposure            | : No data available |
| Aspiration toxicity               | : No data available |

#### Ingredients

|                     |   |
|---------------------|---|
| Acute oral toxicity | : mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [CAS no. 26172-55-4] and 2-methyl-2H-isothiazol-3-one [CAS no. 2682-20-4]<br>LD50 Rat: 457 mg/kg |
|---------------------|---|

#### Ingredients

|                           |   |
|---------------------------|---|
| Acute inhalation toxicity | : mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [CAS no. 26172-55-4] and 2-methyl-2H-isothiazol-3-one [CAS no. 2682-20-4]<br>4 h LC50 Rat: 0.33 mg/l |
|---------------------------|---|

#### Ingredients

|                       |  |
|-----------------------|--|
| Acute dermal toxicity | : mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [CAS no. 26172-55-4] and 2-methyl-2H-isothiazol-3-one [CAS no. 2682-20-4]<br>LD50 Rabbit: 660 mg/kg |
|-----------------------|--|

### SECTION 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

|                       |                            |
|-----------------------|----------------------------|
| Environmental Effects | : Harmful to aquatic life. |
|-----------------------|----------------------------|

#### Product

|                               |                     |
|-------------------------------|---------------------|
| Toxicity to fish              | : No data available |
| Toxicity to daphnia and other | : No data available |

## SAFETY DATA SHEET

### CRYSTAL FUSION DYE PREMIX

aquatic invertebrates

Toxicity to algae : No data available

#### Ingredients

Toxicity to daphnia and other aquatic invertebrates : mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [CAS no. 26172-55-4] and 2-methyl-2H-isothiazol-3-one [CAS no. 2682-20-4]  
48 h EC50 Daphnia : 0.16 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 : 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

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

#### 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.

## SAFETY DATA SHEET

### CRYSTAL FUSION DYE PREMIX

**SARA 311/312 Hazards** : Acute Health Hazard

**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) :**

not determined

#### **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

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

not determined

#### **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) :**

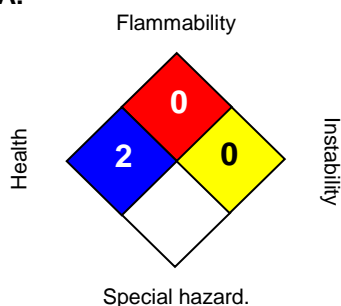
On the inventory, or in compliance with the inventory

### SECTION 16. OTHER INFORMATION

# SAFETY DATA SHEET

## CRYSTAL FUSION DYE PREMIX

### NFPA:



### HMIS III:

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

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

Issuing date : 01/19/2015  
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.