

# SAFETY DATA SHEET

Issuing Date No data available

Revision Date 03-Nov-2014

Revision Number 2



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## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

Product Name ECOS PRO Orange Plus Cleaner (9706)

### Other means of identification

Synonyms None

### Recommended use of the chemical and restrictions on use

Recommended Use General Purpose Cleaner - Non-aerosol

Uses advised against No information available

### Details of the supplier of the safety data sheet

Supplier Name VENUS LABORATORIES DBA Earth Friendly Products  
Supplier Address 111 S. ROHLWING ROAD ADDISON IL, 60101 US  
Supplier Phone Number Phone:800-592-1900  
Emergency telephone number Chemtrec: 800-424-9300

## 2. HAZARDS IDENTIFICATION

### Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

|                |            |
|----------------|------------|
| Eye irritation | Category 1 |
|----------------|------------|

### GHS Label elements, including precautionary statements

#### Emergency Overview

|             |         |
|-------------|---------|
| Signal word | Warning |
|-------------|---------|



**Hazard Statements**

May cause eye damage

**Appearance** Water white**Physical State** Liquid**Odor** Citrus**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
 Wear protective gloves/protective clothing/eye protection/face protection  
 Avoid breathing dust/fume/gas/mist/vapors/spray  
 Remove the contaminated clothing and wash.

**Precautionary Statements - Response**

Specific treatment (see supplemental first aid instructions on this label)

**Eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 If irritation persists consult a doctor/physician.

**Precautionary Statements - Storage**

None

**Precautionary Statements - Disposal**

None

**Hazards not otherwise classified (HNOC)**

Not applicable

**Unknown Toxicity**

4.13% of the mixture consists of ingredient(s) of unknown toxicity

**Other information**

No information available

**Interactions with Other Chemicals**

No information available.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name  | CAS No.    | Weight-% | Trade Secret |
|----------------|------------|----------|--------------|
| Coco-glucoside | 68515-73-1 | 1 - 5    | *            |
| Ethyl alcohol  | 64-17-5    | 0.1 - 1  | *            |

\*The exact percentage (concentration) of composition has been withheld as a trade secret

### 4. FIRST AID MEASURES

**First aid measures**

|   |   |
|---|---|
| <b>General Advice</b>                     | Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.   |
| <b>Eye Contact</b>                        | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Remove contact lenses, if present and If irritation persists consult a doctor/physician. |
| <b>Skin Contact</b>                       | Wash off immediately with soap and plenty of water for at least 15 minutes. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.                              |
| <b>Inhalation</b>                         | Remove to fresh air. If symptoms persist, call a physician.   |
| <b>Ingestion</b>                          | Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.   |
| <b>Self-protection of the first aider</b> | Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.   |

**Most important symptoms and effects, both acute and delayed**

**Most Important Symptoms and Effects** Burning sensation.

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media**

CAUTION: Use of water spray when fighting fire may be inefficient.

**Specific Hazards Arising from the Chemical**

No information available.

**Hazardous Combustion Products**

Carbon oxides.

**Explosion Data**

**Sensitivity to Mechanical Impact** No.

**Sensitivity to Static Discharge** No.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required.

**Other Information** Refer to protective measures listed in Sections 7 and 8.

### Environmental Precautions

**Environmental Precautions** Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so.

### Methods and material for containment and cleaning up

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product.

### Conditions for safe storage, including any incompatibilities

**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children.

**Incompatible Products** Strong oxidizing agents. Strong acids. Strong bases.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

### Exposure Guidelines

| Chemical Name            | ACGIH TLV      | OSHA PEL   | NIOSH IDLH   |
|--------------------------|----------------|--|--|
| Ethyl alcohol<br>64-17-5 | STEL: 1000 ppm | TWA: 1000 ppm<br>TWA: 1900 mg/m <sup>3</sup><br>(vacated) TWA: 1000 ppm<br>(vacated) TWA: 1900 mg/m <sup>3</sup> | IDLH: 3300 ppm 10% LEL<br>TWA: 1000 ppm<br>TWA: 1900 mg/m <sup>3</sup> |

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits NIOSH IDLH Immediately Dangerous to Life or Health

**Other Exposure Guidelines** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992)

### Appropriate engineering controls



|                             |  |
|-----------------------------|--|
| <b>Engineering Measures</b> | Showers<br>Eyewash stations<br>Ventilation systems |
|-----------------------------|--|

#### **Individual protection measures, such as personal protective equipment**

|                                 |   |
|---------------------------------|---|
| <b>Eye/Face Protection</b>      | Tight sealing safety goggles.   |
| <b>Skin and Body Protection</b> | Wear protective gloves and protective clothing.   |
| <b>Respiratory Protection</b>   | No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.  |
| <b>Hygiene Measures</b>         | Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. |

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

### **Physical and Chemical Properties**

|   |                          |                        |                          |
|---|--------------------------|------------------------|--------------------------|
| <b>Physical State</b>                         | Liquid                   | <b>Odor</b>            | Citrus                   |
| <b>Appearance</b>                             | Water white              | <b>Odor Threshold</b>  | No information available |
| <b>Color</b>                                  | No information available |                        |                          |
| <b>Property</b>                               | <b>Values</b>            | <b>Remarks/ Method</b> |                          |
| <b>y pH</b>                                   | 5                        | None known             |                          |
| <b>Melting / freezing point</b>               | No data available        | None known             |                          |
| <b>Boiling point / boiling range</b>          | 85°                      | None known             |                          |
| <b>Flash Point</b>                            | 94° C / 201° F           | None known             |                          |
| <b>Evaporation Rate</b>                       | No data available        | None known             |                          |
| <b>Flammability (solid, gas)</b>              | No data available        | None known             |                          |
| <b>Flammability Limit in Air</b>              |                          |                        |                          |
| Upper flammability limit                      | No data available        |                        |                          |
| Lower flammability limit                      | No data available        |                        |                          |
| <b>Vapor pressure</b>                         | No data available        | None known             |                          |
| <b>Vapor density</b>                          | No data available        | None known             |                          |
| <b>Specific Gravity</b>                       | 1.000                    | None known             |                          |
| <b>Water Solubility</b>                       | Soluble in water         | None known             |                          |
| <b>Solubility in other solvents</b>           | No data available        | None known             |                          |
| <b>Partition coefficient: n-octanol/water</b> | No data available        | None known             |                          |
| <b>Autoignition temperature</b>               | No data available        | None known             |                          |
| <b>Decomposition temperature</b>              | No data available        | None known             |                          |
| <b>Kinematic viscosity</b>                    | No data available        | None known             |                          |
| <b>Dynamic viscosity</b>                      | No data available        | None known             |                          |
| <b>Explosive Properties</b>                   | No data available        |                        |                          |
| <b>Oxidizing Properties</b>                   | No data available        |                        |                          |

### **Other Information**

|                                   |                   |
|-----------------------------------|-------------------|
| <b>Softening Point</b>            | No data available |
| <b>VOC Content (%)</b>            | No data available |
| <b>Particle Size</b>              | No data available |
| <b>Particle Size Distribution</b> |                   |

## 10. STABILITY AND REACTIVITY

### Reactivity

No data available.

### Chemical stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Hazardous Polymerization

Hazardous polymerization does not occur.

### Conditions to avoid

None known based on information supplied.

### Incompatible materials

Strong oxidizing agents. Strong acids. Strong bases.

### Hazardous Decomposition Products

Carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

|                            |   |
|----------------------------|---|
| <b>Product Information</b> | Product does not present an acute toxicity hazard based on known or supplied information.   |
| <b>Inhalation</b>          | Specific test data for the substance or mixture is not available. No irritation expected.   |
| <b>Eye Contact</b>         | Specific test data for the substance or mixture is not available. Expected to be an irritant based on the components. May cause Eye Irritation. May cause burns.                                      |
| <b>Skin Contact</b>        | Specific test data for the substance or mixture is not available. Not expected to be a skin irritant based on the components. Prolonged contact may cause redness and irritation.                     |
| <b>Ingestion</b>           | Specific test data for the substance or mixture is not available. Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. |

### Component Information

| Chemical Name            | Oral LD50 | Dermal LD50 | Inhalation LC50          |
|--------------------------|-----------|-------------|--------------------------|
| Ethyl alcohol<br>64-17-5 | -         | -           | = 124.7 mg/L ( Rat ) 4 h |

### Information on toxicological effects

**Symptoms** Erythema (skin redness). May cause blindness. Burning.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization** No information available.

**Mutagenic Effects** No information available.

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical Name         | ACGIH | IARC    | NTP   | OSHA |
|-----------------------|-------|---------|-------|------|
| Ethyl alcohol 64-17-5 | A3    | Group 1 | Known | X    |

**ACGIH (American Conference of Governmental Industrial Hygienists)**

A3 - Animal Carcinogen

**IARC (International Agency for Research on Cancer)**

Group 1 - Carcinogenic to Humans

**NTP (National Toxicology Program)**

Known - Known Carcinogen

**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**

X - Present

**Reproductive Toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Chronic Toxicity** No known effect based on information supplied. Contains a known or suspected carcinogen. Ethanol has been shown to be a reproductive toxin only when consumed as an alcoholic beverage. Contains a known or suspected reproductive toxin. Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage.

**Target Organ Effects** Eyes.

**Aspiration Hazard** No information available.

#### **Numerical measures of toxicity Product Information**

The following values are calculated based on chapter 3.1 of the GHS document

Not applicable

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

The environmental impact of this product has not been fully investigated.

| Chemical Name            | Toxicity to Algae | Toxicity to Fish  | Toxicity to Microorganisms                          | Daphnia Magna (Water Flea)  |
|--------------------------|-------------------|---|---|---|
| Ethyl alcohol<br>64-17-5 |                   | 96h LC50: > 100 mg/L<br>(Pimephales promelas) 96h<br>LC50: 13400 - 15100 mg/L<br>(Pimephales promelas) 96h<br>LC50: 12.0 - 16.0 mL/L<br>(Oncorhynchus mykiss) | EC50 = 34634 mg/L 30 min<br>EC50 = 35470 mg/L 5 min | 48h LC50: 9268 - 14221<br>mg/L 48h EC50: = 2 mg/L<br>24h EC50: = 10800 mg/L |

### Persistence and Degradability

No information available.

### Bioaccumulation

| Chemical Name         | Log Pow |
|-----------------------|---------|
| Ethyl alcohol 64-17-5 | -0.32   |

### Other adverse effects

No information available.

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

#### Disposal methods

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

#### Contaminated Packaging

Dispose of contents/containers in accordance with local regulations.

#### California Hazardous Waste Codes 561

This product contains one or more substances that are listed with the State of California as a hazardous waste.

| Chemical Name         | California Hazardous Waste |
|-----------------------|----------------------------|
| Ethyl alcohol 64-17-5 | Toxic<br>Ignitable         |

## 14. TRANSPORT INFORMATION

### DOT

Proper Shipping Name  
Hazard Class

NOT REGULATED  
NON REGULATED  
N/A

### TDG

Not regulated





|                             |               |
|-----------------------------|---------------|
| <b><u>MEX</u></b>           | Not regulated |
| <b><u>ICAO</u></b>          | Not regulated |
| <b><u>IATA</u></b>          | Not regulated |
| <b>Proper Shipping Name</b> | NON REGULATED |
| <b>Hazard Class</b>         | N/A           |
| <b><u>IMDG/IMO</u></b>      | Not regulated |
| <b>Hazard Class</b>         | N/A           |
| <b><u>RID</u></b>           | Not regulated |
| <b><u>ADR</u></b>           | Not regulated |
| <b><u>ADN</u></b>           | Not regulated |

## 15. REGULATORY INFORMATION

### International Inventories

|             |  |
|-------------|--|
| <b>TSCA</b> | Complies   |
| <b>DSL</b>  | All components are listed either on the DSL or NDSL. |

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

### US Federal Regulations

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### **SARA 311/312 Hazard Categories**

|  |     |
|--|-----|
| <b>Acute Health Hazard</b>               | Yes |
| <b>Chronic Health Hazard</b>             | No  |
| <b>Fire Hazard</b>                       | No  |
| <b>Sudden release of pressure hazard</b> | No  |
| <b>Reactive Hazard</b>                   | No  |

#### **CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

#### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

### US State Regulations

#### **California Proposition 65**

This product does not contact the following Proposition 65 chemicals.



**U.S. State Right-to-Know Regulations**

This product does not contain any substance regulated by the state right- to- know regulations.

**Canada****WHMIS Hazard Class**

D2B - Toxic materials

**16. OTHER INFORMATION**

|             |                         |                       |                          |  |
|-------------|-------------------------|-----------------------|--------------------------|--|
| <b>NFPA</b> | <b>Health Hazards</b> 1 | <b>Flammability</b> 0 | <b>Instability</b> 0     | <b>Physical and Chemical Hazards -</b> |
| <b>HMIS</b> | <b>Health Hazards</b> 1 | <b>Flammability</b> 0 | <b>Physical Hazard</b> 0 | <b>Personal Protection</b><br>X        |

**Revision Date**

03-Nov-2014

**Revision Note**

No information available

**Disclaimer**

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

**End of Safety Data Sheet**