

# SAFETY DATA SHEET

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

### Product identifier

Product Name ECOS PRO Orangerine Window Cleaner Concentrate (PL9962)

### Other means of identification

Synonyms None

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

Recommended Use Glass Cleaner - Non-Aerosol

Uses advised against No information available

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

Supplier Name Venus Labs/dba Earth Friendly Products  
Supplier Address 111. S Rohlwing Rd Addison, IL 60101  
Supplier Phone Number Phone: 800-451-9304  
Emergency telephone number Chemtrec: 800-424-9300

## 2. HAZARDS IDENTIFICATION

### Classification

### Classification

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

Eye irritation	Category 1
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### GHS Label elements, including precautionary statements

### Emergency Overview

Signal word

Warning

Hazard Statements

May cause eye irritation



**Appearance** Clear  
**Physical State** Liquid

**Odor** Citrus

**Precautionary Statements - Prevention**  
Obtain special instructions before use

**Precautionary Statements - Response**  
None

**Precautionary Statements - Storage**  
None

**Precautionary Statements - Disposal**  
None

**Hazards not otherwise classified (HNOC)**

Not applicable

**Unknown Toxicity**  
0.3288% of the mixture consists of ingredient(s) of unknown toxicity

**Other information**

May cause slight eye irritation  
PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE IRRITATION

**Interactions with Other Chemicals**  
No information available.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%	Trade Secret
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**

**Eye Contact** Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.

**Skin Contact** Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician.

**Inhalation** Remove to fresh air. If symptoms persist, call a physician.

**Ingestion** Do NOT induce vomiting. Drink plenty of water. If symptoms persist, call a physician.

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

**Most Important Symptoms and Effects**

No information available.

**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.

**Uniform Fire Code** Sensitizer: Liquid

**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 eyes.

**Environmental Precautions**

**Environmental Precautions** Refer to protective measures listed in Sections 7 and 8.

**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**

Dam up. Soak up with inert absorbent material. 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 eyes.

**Conditions for safe storage, including any incompatibilities**

**Storage**

Keep container tightly closed.

**Incompatible Products**

None known based on information supplied.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters**Exposure Guidelines**

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

Showers  
Eyewash stations  
Ventilation systems

Individual protection measures, such as personal protective equipment**Eye/Face Protection**

If splashes are likely to occur, wear safety glasses with side-shields.

**Skin and Body Protection**

No special protective equipment required.

**Respiratory Protection**

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**Hygiene Measures**

Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**Physical and Chemical Properties**Physical State**

Liquid

**Appearance**

Clear

**Color**

No information available

**Odor**

Citrus

**Odor Threshold**

No information available

Property	Values	Remarks/_Method
pH	7	None known
Melting / freezing point	No data available	None known
Boiling point / boiling range	85°C	None known
Flash Point	94° C / 201° F	None known
Evaporation Rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air	available	
Upper flammability limit	No data available	
Lower flammability limit	No data available	
Vapor pressure	available	None known

<b>Vapor density</b> <b>Specific Gravity Water</b> <b>Solubility</b> <b>Solubility in other solvents</b>	No data available 1.01-1.02 Soluble in water No data available	None known None known None known None known
<b>Partition coefficient: n-octanol/water</b>	No data available	None known
<b>Autoignition temperature</b> <b>Decomposition temperature</b> <b>Kinematic viscosity Dynamic viscosity</b> <b>Explosive properties</b> <b>Oxidizing Properties</b>	No data available No data available No data available No data available No data available No data available No data available	None known None known None known None known
<b>Other Information</b>		
<b>Softening Point VOC Content (%)</b> <b>Particle Size</b>	No data available No data available 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**

None known based on information supplied.

### **Hazardous Decomposition Products**

Carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

### **Information on likely routes of exposure**

#### **Product Information**

Product does not present an acute toxicity hazard based on known or supplied information.

#### **Inhalation**

Specific test data for the substance or mixture is not available.

#### **Eye Contact**

Specific test data for the substance or mixture is not available.

#### **Skin Contact**

Specific test data for the substance or mixture is not available.

#### **Ingestion**

Specific test data for the substance or mixture is not available.

#### **Component Information**

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

### Information on toxicological effects

**Symptoms** No information available.

### 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. Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage.

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** Contains a known or suspected carcinogen. Ethanol has been shown to be a reproductive toxin only when consumed as an alcoholic beverage. Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage.

**Target Organ Effects** None known.

**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.

### Persistence and Degradability

No information available.

### Bioaccumulation

No information available

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.

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 Ignitable

## 14. TRANSPORT INFORMATION

**DOT**  
Proper Shipping Name  
Hazard Class

NOT REGULATED  
NON REGULATED  
N/A

**TDG** Not regulated

**MEX** Not regulated

**ICAO** Not regulated

**IATA**  
Proper Shipping Name

Not regulated  
NON REGULATED

Hazard Class N/A

**IMDG/IMO**  
Hazard Class

Not regulated  
N/A

**RID** Not regulated

**ADR** Not regulated

**ADN** Not regulated

### International Inventories

## 15. REGULATORY INFORMATION

TSCA Complies  
DSL 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**

Acute Health Hazard Yes  
 Chronic Health Hazard No  
 Fire Hazard No  
 Sudden release of pressure hazard No  
 Reactive Hazard 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 contains the following Proposition 65 chemicals. Ethyl alcohol is only a considered a Proposition 65 developmental hazard when it is ingested as an alcoholic beverage.

Chemical Name	California Proposition 65
Ethyl alcohol - 64-17-5	Carcinogen Developmental

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

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Ethyl alcohol 64-17-5		X			
2-phenoxyethanol 122-99-6			X	X	X

**International Regulations**

Component	Carcinogen Status	Exposure Limits
Ethyl alcohol 64-17-5 ( 0.1 - 1 )		Mexico: TWA 1000 ppm Mexico: TWA 1900 mg/m <sup>3</sup>

**Canada**

**WHMIS Hazard Class**

D2A - Very toxic materials  
 D2B - Toxic materials

**16. OTHER INFORMATION**

NFPA Health Hazards 1 Flammability 0 Instability 0 Physical and Chemical Hazards -  
 HMIS Health Hazards 1 Flammability 0  
 Physical Hazard 0 Personal Protection X

Revision Date 02-Sep-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**