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SDS

Common Name: ECOS PRO ORANGERINE WINDOW CLEANER CONCENTRATE (PL9962)**Manufacturer:** VENUS LABORATORIES**SDS Revision Date:** 9/2/2014**SDS Format:** GHS-US**Item Number(s):** 39N074, 39N075, 39N076**Manufacturer Model Number(s):**

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EFPL996204 #2256

SAFETY DATA SHEET

ISSUING DATE: NO DATA AVAILABLE

REVISION DATE: 02-SEP-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 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

GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS:

EMERGENCY OVERVIEW:

SIGNAL WORD: WARNING

HAZARD STATEMENTS: MAY CAUSE EYE IRRITATION

EXCLAMATION MARK

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	STEL:	TWA: 1000 PPM	IDLH: 3300 PPM 10% LEL
64-17-5	1000 PPM	TWA: 1900 MG/M3	TWA: 1000 PPM
		(VACATED) TWA: 1000 PPM	TWA: 1900 MG/M3
		(VACATED) TWA: 1900 MG/M3	

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

ODOR: CITRUS

COLOR: NO INFORMATION AVAILABLE

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 DEG. C	NONE KNOWN
FLASH POINT	94 DEG. C / 201 DEG. F	NONE KNOWN
EVAPORATION RATE	NO DATA AVAILABLE	NONE KNOWN
FLAMMABILITY (SOLID, GAS)	NO DATA AVAILABLE	NONE KNOWN
FLAMMABILITY LIMIT IN AIR:		
UPPER FLAMMABILITY LIMIT	NO DATA AVAILABLE	
LOWER FLAMMABILITY LIMIT	NO DATA AVAILABLE	
VAPOR PRESSURE	NO DATA AVAILABLE	NONE KNOWN
VAPOR DENSITY	NO DATA AVAILABLE	NONE KNOWN
SPECIFIC GRAVITY	1.01-1.02	NONE KNOWN
WATER SOLUBILITY	SOLUBLE IN WATER	NONE KNOWN
SOLUBILITY IN OTHER SOLVENTS	NO DATA AVAILABLE	NONE KNOWN
PARTITION COEFFICIENT N-OCTANOL/WATER	NO DATA AVAILABLE	NONE KNOWN

AUTOIGNITION TEMPERATURE	NO DATA AVAILABLE	NONE KNOWN
DECOMPOSITION TEMPERATURE	NO DATA AVAILABLE	NONE KNOWN
KINEMATIC VISCOSITY	NO DATA AVAILABLE	NONE KNOWN
DYNAMIC VISCOSITY	NO DATA AVAILABLE	NONE KNOWN
EXPLOSIVE PROPERTIES	NO DATA AVAILABLE	
OXIDIZING PROPERTIES	NO DATA AVAILABLE	
OTHER INFORMATION:		
SOFTENING POINT	NO DATA AVAILABLE	
VOC CONTENT (%)	NO DATA AVAILABLE	
PARTICLE SIZE	NO DATA AVAILABLE	
PARTICLE SIZE DISTRIBUTION		

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:

CHEMICAL NAME	ORAL LD50	DERMAL LD50	INHALATION LC50
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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: NOT REGULATED

PROPER SHIPPING NAME: NON REGULATED

HAZARD CLASS: N/A

TDG: NOT REGULATED

MEX: NOT REGULATED

ICAO: NOT REGULATED

IATA: NOT REGULATED

PROPER SHIPPING NAME: NON REGULATED

HAZARD CLASS: N/A

IMDG/IMO: NOT REGULATED

HAZARD CLASS: N/A

RID: NOT REGULATED

ADR: NOT REGULATED

ADN: NOT REGULATED

15. REGULATORY INFORMATION



INTERNATIONAL INVENTORIES:

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
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ETHYL ALCOHOL - 64-17-5	CARCINOGEN DEVELOPMENTAL
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U.S. STATE RIGHT-TO-KNOW REGULATIONS:

CHEMICAL NAME	NEW JERSEY	MASSACHUSETTS	PENNSYLVANIA	RHODE ISLAND	ILLINOIS
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ETHYL ALCOHOL 64-17-5		X			
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2-PHENOXY- ETHANOL 122-99-6			X	X	X
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INTERNATIONAL REGULATIONS:

COMPONENT	CARCINOGEN STATUS	EXPOSURE LIMITS
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ETHYL ALCOHOL 64-17-5 (0.1 - 1)		MEXICO: TWA: 1000 PPM
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MEXICO:

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:

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