

Safety Data Sheet

complying with OSHA Hazard Communication Standard 29 CFR 1910.1200

Product name: ECOS™ Pro Graffiti Remover

Formula number: 9347

Revision date: 11/13/2020



1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND SUPPLIER

1.1. Product Identifier

Trade Name: ECOS™ Pro Graffiti Remover

Other Identifier: 9347, PL9347/6, PL9347/04

1.2. Relevant identified uses of the substance or mixture and uses advised against:

Liquid graffiti remover. Use as directed.

1.3. Details of the supplier of the safety data sheet:

Manufacturer/Supplier:

Venus Laboratories dba Earth Friendly Products

11150 Hope Street

Cypress, CA

90630

Tel: (800)-841-3100

1.4. Emergency telephone number:

Chemtrec: (800)-424-9300

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to OSHA Hazard Communication Standard 29 CFR 1910.1200:

Serious Eye Damage, Category 1

Flammable Liquid, Category 4

Specific Target Organ Systemic Toxicity (STOT) - Single Exposure, Category 3 (respiratory irritation)

2.2. Label Elements

Hazard pictograms:



Signal word: Danger

Hazard statements:

H319: Causes serious eye damage

H227: Combustible liquid

H335: May cause respiratory irritation

Precautionary statements:

P102: Keep out of reach of children.

P305+P351+P338, P310: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. Immediately call a POISON CENTER or doctor/physician

P304+P340, P312: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

P370+P378: Keep away from heat, hot surface, sparks, open flames and other ignition sources. - No smoking.

P337+P313: IF eye irritation persists: Get medical advice/attention

Additional information: No additional relevant information.

Hazards not otherwise classified: None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Mixtures

Description of the mixture: Liquid laundry detergent.

Hazardous ingredients per OSHA Hazard Communication Standard 29 CFR 1910.1200:

Chemical name	CAS No.	Classification according to OSHA Hazard Communication Standard 29 CFR 1910.1200	%
Soy Methyl Ester	67784-80-9	Not classified as hazardous	>50%
Ethyl Lactate	97-64-3	H319: Eye Damage, Category 1 H227: Flammable Liquid, Category 3 H335: (STOT)-Single Exposure Category 3	15-30%

Additional information: For the wording of the listed hazard phrases refer to section 16.

4. FIRST AID MEASURES

4.1. Description of first aid measures

General information: No special measures required. Take affected persons out into the fresh air. Avoid contact with eyes.

After inhalation: Seek medical treatment in case of complaints.

After skin contact: In case of skin irritation, consult a physician.

After eye contact: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. Immediately call a poison center or doctor/physician.

After swallowing: Drink plenty of water and provide fresh air. If irritation or discomfort occurs, seek medical attention. Never give anything by mouth to an unconscious person.

4.2. Most important symptoms and effects, both acute and delayed: No relevant information available.

4.3. Indication of any immediate medical attention and special treatment needed: No relevant information available.

5. FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing agents: Water fog. Carbon dioxide. Dry chemical. DO NOT use a solid stream of water directly on the fire as the water may spread the fire to a larger area.

5.2. Special hazards arising from the substance or mixture:

Fire and Explosion Hazards: COMBUSTIBLE LIQUID. Vapors are heavier than air. Vapors may settle in low or confined areas, or travel long distances along the ground or surface to an ignition source where they may ignite, flashback, or explode. Keep away from heat, sparks, flames or other sources of ignition (e.g., static electricity, pilot lights, mechanical/electrical equipment). Contact with strong oxidizing agents may cause fire. Rags soaked in solvent can present a fire hazard and should be stored in UL listed or Factory Mutual approved, covered containers. Improperly stored rags, under certain conditions can lead to spontaneous combustion.

5.3. Advice for firefighters

Hazardous Combustion Products: Carbon oxides.

Special Protective Equipment and Precautions for Fire-Fighters: Evacuate area of unprotected personnel. Wear protective clothing including NIOSH-approved self-contained breathing apparatus. Remain upwind of fire to avoid hazardous vapors and decomposition products. Use water spray to cool fire-exposed containers and disperse vapors.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures: Wear protective equipment. Keep unprotected persons away.

6.2. For emergency responders: Wear protective equipment. Keep unprotected persons away.

6.3. Environmental precautions: No special measures required.

6.4. Methods and material for containment and cleaning up: Contain spill, place into drums for proper disposal. Soak up residue with non-flammable absorbent material. DO NOT use sawdust or other cellulose-type material. Place in non-leaking containers for immediate disposal. Flush remaining area with water to remove trace residue and dispose of properly. Avoid direct discharge to sewers and surface waters. Notify authorities if entry occurs.

6.5. Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling:

No special precautions are necessary if used correctly.

Information about fire - and explosion protection: No special measures required.

7.2. Conditions for safe storage, including any incompatibilities:

Storage: Store in cool, dry conditions in well-sealed receptacles. Store away from all ignition sources.

Requirements to be met by storerooms and receptacles: Do not store in extreme temperatures.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: None.

7.3. Specific end use(s): No further relevant information available.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

8.1. Control parameters

Ingredients with limit values that require monitoring at the workplace in accordance with OSHA Hazard Communication Standard 29 CFR 1910.1200: None.

Additional information: No further relevant information available.

8.2. Exposure controls

Personal protective equipment:

General protective and hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection: Not required under normal conditions of use.

Protection of hands: Not required under normal conditions of use.

Eye protection: If handling large volumes, wear eye protection. Eye protection not required under normal conditions of use.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

	Value
Appearance	Yellow liquid
Physical State	Liquid
Color	Yellow tinged
Odor	Unscented, solvent odor
Odor Threshold	Not determined

	Value
pH	Not determined
Melting point/freezing point	Not determined
Initial boiling point/boiling range	Not determined

Flash point	64° C
Evaporation rate	Not determined
Flammability (solid, gas)	Not Flammable
Upper/lower flammability or explosive limits	
Upper explosive limits	Not determined
Lower explosive limits	Not determined
Vapor pressure	Not determined
Vapor density	Not determined
Relative density	0.90
Solubility(ies)	Not determined
Partition coefficient: n-octanol/water	Not determined
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
Viscosity	Not determined
Explosive properties	Not determined
Oxidizing properties	Not determined

10. STABILITY AND REACTIVITY

10.1. Reactivity: Stable under normal conditions.

10.2. Chemical stability: Material is stable under normal conditions.

Thermal decomposition / conditions to be avoided: No decomposition if used and stored according to specifications. Do not store at extreme temperatures.

10.3. Possibility of hazardous reactions: No dangerous reactions known.

10.4. Conditions to avoid: Avoid contact with heat, sparks, electric arcs, other hot surfaces, and open flames.

10.5. Incompatible materials: No further relevant information available.

10.6. Hazardous decomposition products: No dangerous decomposition products

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity: Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:	
ATE (Acute Toxicity Estimates):	
LD50, Oral	> 5000 mg/kg

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Based on available data, the classification criteria for Eye damage, category 1: H318 has been met. Refer to section 4 for first aid measures.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT-single exposure: Based on available data, the classification criteria for Specific Target Organ Systemic Toxicity (STOT) - Single Exposure, Category 3 (respiratory irritation), H335 have been met. Refer to section 4 for first aid measures.

STOT-repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Aquatic toxicity: No further relevant information available.

12.2. Persistence and degradability: No further relevant information available.

12.3. Bioaccumulative potential: No further relevant information available.

12.4. Mobility in soil: No further relevant information available.

12.5. Results of PBT and vPvB assessment PBT: No further relevant information available.

vPvB: No further relevant information available.

12.6. Other adverse effects: No further relevant information available.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods recommendation:

Dispose according to National Regulations. Contact manufacturer for recycling information.

Uncleaned packaging: Disposal must be made according to official regulations. Packaging may be reused or recycled after cleaning.

14. TRANSPORT INFORMATION

14.1. Transportation regulations:

Land transport, USDOT:

DOT (Department of Transportation):

Identification Number: NA1993

Proper Shipping Name: COMBUSTIBLE LIQUID, N.O.S. (CONTAINS ETHYL LACTATE)

Hazard Class: COMBUSTIBLE LIQUID

Packing Group: III

Note: In containers of 119 gallons capacity or less this product is not regulated by the DOT. Label/Placard: exception 173.150 (f) applies.

14.2. Additional information: No additional relevant information available.

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:

TSCA: Listed

Prop 65: None

Other regulations, limitations and prohibitive regulations: No additional relevant information available.

16. OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases:

H302 Harmful if swallowed.

H227 - Combustible liquid.

Training hints:

Suitable training on safety in handling, storing and converting the product should be given to the employees based on all the existing information.