Safety Data Sheet
complying with OSHA Hazard Communication Standard 29 CFR 1910.1200
Product name: ECOS™ Dishwasher Packs - Free & Clear
Formula number: 9583.4
Revision date: 10/31/2024

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND SUPPLIER

1.1. Product Identifier
Trade Name: ECOS™ Dishwasher Packs - Free & Clear
Other Identifier: 9699

1.2. Relevant identified uses of the substance or mixture and uses advised against:
Dishwasher packs. 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:
Eye Damage, Category 1, H318: Causes serious eye damage

2.2. Label Elements
Hazard pictograms:

Signal word: Danger
Hazard statements:
H318: Causes serious eye damage
Precautionary statements:
P102: Keep out of reach of children.
P305+P354+P338: IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P317: Get emergency medical help.

Additional information: No additional relevant information.

Hazards not otherwise classified: None.

3. COMPOSITION/INFORMATION ON INGREDEINTS

3.1. Mixtures

Description of the mixture: Dishwasher packs.

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**	**%**
Sodium Sulfate	7757-82-6	Not classified as hazardous	>30%
Sodium Carbonate	497-19-8	H319: Eye irritation Category 2	15-30%
Sodium Carbonate Peroxide	15630-89-4	H318: Eye damage Category 1 H302: Acute oral toxicity Category 4	1-5%
Tetrasodium Iminodisuccinate	144538-83-0	Not classified as hazardous	1-5%
Sodium Citrate	6132-04-3	Not classified as hazardous	1-5%
Trisodium Salt of Methylglycinediacetic Acid	164462-16-2	Not classified as hazardous	1-5%
Citric acid, anhydrous	77-92-9	H319: Eye irritation Category 2	≤1%
Sodium Coco-Sulfate	68955-19-1	H315: Skin irritation Category 2 H318: Eye damage Category 1 H303: Acute oral toxicity Category 5 H402: Acute aquatic toxicity Category 3 H412: Chronic aquatic toxicity Category 3	≤1%
Polyvinyl Alcohol	9002-89-5	Not classified as hazardous	≤1%
Protease	9014-01-1	H319: Eye irritation Category 2 H334: Respiratory sensitization Category 1	≤1%
Amylase	9000-90-2	H319: Eye irritation Category 2 H334: Respiratory sensitization Category 1	≤1%

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: CO2, powder or water spray. Fight larger fires with water spray.

5.2. Special hazards arising from the substance or mixture: No relevant information available.

5.3. Advice for firefighters

Protective equipment: No special measures required.

Additional information: Collect contaminated firefighting water separately. It must not enter the sewage system.

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: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust, silica gel).

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.
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: Eye protection required under normal conditions of use.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

	Value
Appearance	Powder pack
Physical State	Solid
Color	White with yellow/brown specks
Odor	None
Odor Threshold	Not determined

	Value
pH	10-11
Melting point/freezing point	Not determined
Initial boiling point/boiling range	Not determined
Flash point	Not determined
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	Not determined
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: No further relevant information available.

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	10,670 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 H318, Eye damage/irritation category 1 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 are not met.
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:
Not classified as a dangerous good under transport regulations.
Sea transport, IMDG:
Not classified as a dangerous good under transport regulations.
Air transport, IATA/ICAO
Not classified as a dangerous good under transport regulations.

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:

H318 Causes serious eye damage
H319 Causes serious eye irritation
H302 Harmful if swallowed
H303 May be harmful if swallowed
H315 Causes skin irritation
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled
H402 Harmful to aquatic life
H412 Harmful to aquatic life with long lasting effects

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.