

Safety Data Sheet

complying with Regulation 1907/2006/EC (REACH Regulation), EU 2015/830,
Regulation No 1272/2008/EC (CLP) and OSHA Hazard Communication Standard 29
CFR 1910.1200

Product name: ECOS™ Hypoallergenic Laundry Detergent, Free & Clear

Formula number: 9764

Revision date: 09/17/2018



1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND SUPPLIER

1.1. Product Identifier

Trade Name: ECOS™ Hypoallergenic Laundry Detergent, Free & Clear

Other Identifier(s): Formula number: 9764

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

Liquid laundry detergent. Not recommended for use in ways not consistent with product instructions.

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

Phone: 1 (800) 841-3100

1.4. Emergency telephone number:

Chemtrec: 1 (800) 424-9300

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation EC No 1272/2008 CLP:

Eye Irritation, Category 2, H319: Causes serious eye irritation.

Skin Irritation, Category 3, H316: Causes mild skin irritation

Aquatic Toxicity Acute, Category 3, H402: Harmful to aquatic life

2.2. Label Elements

Hazard pictograms:



Signal word: Warning

Hazard statements:

H319: Causes serious eye irritation.

H316: Causes mild skin irritation

H402: Harmful to aquatic life



Precautionary statements:

P102 Keep out of reach of children.

P264 Wash thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection

P332+P313 IF SKIN irritation occurs: Get medical advice/attention.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

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

P312 Call a poison center or doctor if you feel unwell.

P273 Avoid release to the environment.

Additional information:

Regulation (EC) No 648/2004 on detergents / Labelling for contents	
amphoteric surfactants, anionic surfactants, non-ionic surfactants	<5%
Preservation agents: 2-phenoxyethanol, 2-methyl-2H-isothiazol-3-one	

2.3. Other Hazards:

No additional data available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Mixtures

Description of the mixture: Viscous, liquid mixture including surfactants.

Hazardous ingredients

Chemical name	CAS No.	EC No.	Classification according to regulation (EC) No. 1272 (CLP)	%
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	61789-40-0	263-058-8	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 5, H303 Aqua. Tox. Acute 2, H401	1-5%
Sulfuric acid, mono-C12-18-alkyl esters, sodium salts	68955-19-1	273-257-1	Skin Irrit. 2, H315 Eye Dam. 1, H318 Acute Tox. 4, H302 Aqua. Tox. Acute 2, H401	1-5%
Amides, coco, N-[3-(dimethylamino)propyl], N-oxides	68155-09-9	268-938-5	Acute Tox. 5, H303 Skin Irrit. 2, H315 Eye Dam. 1, H318	1-5%
2-phenoxyethanol	122-99-6	204-589-7	Acute Tox. 4, H302 Eye Irrit. 2, H319	≤0.5%
2-methyl-2H-isothiazol-3-one	2682-20-4	220-239-6	Acute Tox. 3, H301+H311 Acute Tox. 2, H330 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT SE 3, H335 (lungs) Aqua.Tox. Acute 1, H400	≤0.1%



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.

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. If eye irritation persists: Get medical advice/attention.

After swallowing: Drink plenty of water and provide fresh air. Call for a doctor immediately. Seek immediate medical advice. Never give anything by mouth to an unconscious person.

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

4.3. Indication of any immediate medical attention and special treatment needed: No further 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 further 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: Store in a cool location. 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:

Occupational exposure limits: Not applicable.

Biological limit values: Not applicable.

Exposure limits at intended use

DNEL Consumer: Not applicable.

PNEC: Not applicable.

PBT: Not determined.

vPvB: Not determined.

Additional information: The references valid during the making were used as basis.

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.

Penetration time of glove material: The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore, a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.



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	Clear
Physical State	Viscous liquid detergent
Color	Gold Tinge
Odor	Unscented
Odor Threshold	Not determined

	Value
pH	6-8
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	1.00-1.030
Solubility(ies)	Not determined
Partition coefficient: n-octanol/water	Not determined
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
Viscosity	900cp-1200cp
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.

Stable at environment temperature.



- 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	25,125 mg/kg

Skin corrosion/irritation: Based on available data, the classification criteria for H316: Skin irr., category 2: H316 has been met. Refer to section 4 for first aid measures.

Serious eye damage/irritation: Based on available data, the classification criteria for Eye irr., category 2: H319 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: Based on the available data, the classification for acute aquatic toxicity, category 3. No further relevant information available.

12.2. Persistence and degradability

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion is held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

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: Not applicable.
vPvB: Not applicable.

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. UN No., ADR, ADN, IMDG, IATA –

14.2. UN Proper shipping name, ADR, ADN, IMDG, IATA –

14.3. Transport hazard class(es), ADR, ADN, IMDG, IATA –

14.4. Packing group, ADR, IMDG, IATA –

14.5. Environmental hazards – Not applicable

14.6. Special precautions for user – Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code – Not applicable

14.8. UN "Model Regulation" –

15. REGULATORY INFORMATION

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

Detergent Regulation No. 648/2004/EC, CLP Regulation No. 1272/2008/EC, Regulation (EU) 2015/830, Regulation REACH (EC) 1907/2006 and OSHA Hazard Communication Standard 29 CFR 1910.1200

Constituents of the mixture that fall within the scope of REACH Regulation 1907/2006/EC, have been (pre)-registered from their suppliers.

Directive 98/24/EC on the protection of health and safety of workers from the risks related to chemicals agents at work.



Council Directive 94/33/EC on the protection of young people at work, as amended.

Directive 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding, as amended

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

National regulations:

Other regulations, limitations and prohibitive regulations

Substances of very high concern (SVHC) according to REACH, Article 57
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This product does not contain any SVHC.

15.2. Chemical safety assessment:

Has been performed for the main ingredients of the product: A Chemical Safety Assessment has not been carried out.

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.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H303 May be harmful if swallowed

H318 Causes serious eye damage

H301+H311 Toxic if swallowed or in contact with skin

H330 Fatal if inhaled

H314 Causes severe skin burns and eye damage

H317 May cause an allergic skin reaction

H335 May cause respiratory irritation

H400 Very toxic to aquatic life

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.