



Safety Data Sheet
complying with Regulation 1907/2006/EC (REACH Regulation), EU
2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 13.06.2016

Version number 1

Revision: 17.08.2017

* **SECTION 1: Identification of the substance/mixture and of the company/undertaking**

1.1 Product identifier

Trade name: ECOS 4x Laundry Lemongrass

Description / Product Code: **9801**

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

No further relevant information available.

Application of the substance / the mixture:

Cleaning Product/ Detergent

Laundry

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Venus Labs/dba Earth Friendly Products

111. S Rohlwing Rd Addison, IL 60101

Phone: 800-595-1900

Chemtrec: 800-424-9300

1.4 Emergency telephone number:



Emergency telephone number: 112

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation EC No 1272/2008 CLP:



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

2.2 Label elements

Labelling according to Regulation EC No 1272/2008 CLP:

The product is classified and labelled according to the CLP regulation.

Hazard pictograms:



GHS07

Signal word: Warning



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Hazard statements:**H315 Causes skin irritation.****H319 Causes serious eye irritation.****Precautionary statements****P102 Keep out of reach of children.****P264 Wash thoroughly after handling.****P302+P352 IF ON SKIN: Wash with plenty of water.****P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.****P332+P313 If skin irritation occurs: Get medical advice/attention.****P337+P313 If eye irritation persists: Get medical advice/attention.****Regulation (EC) No 648/2004 on detergents / Labelling for contents**

anionic surfactants	5 - 15%
non-ionic surfactants, amphoteric surfactants, soap	< 5%
preservation agents (PHENOXYETHANOL, 2-methyl-2H-isothiazol-3-one), perfumes	

2.3 Other hazards**Results of PBT and vPvB assessment****PBT: Not applicable.****vPvB: Not applicable.*** **SECTION 3: Composition/information on ingredients****3.2 Chemical characterisation: Mixtures****Description: Mixture of substances listed below with nonhazardous additions.**

Ingredients according Regulation (EU) 830/2015:		
CAS: 97375-27-4	Sodium Coco-Sulfate	2.5-<10%
EC number: 306-683-4	⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319	
CAS: 110615-47-9	D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	2.5-<10%
	⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315	
CAS: 61789-40-0	Cocoamidopropyl Betaine	2.5-<3%
EINECS: 263-058-8	⚠ Eye Dam. 1, H318	
CAS: 61789-30-8	Potassium Cocoate	0.1-<2.5%
	⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	

Ingredients

CAS: 122-99-6	2-Phenoxyethanol	0.1-<2.5%
EINECS: 204-589-7	⚠ Acute Tox. 4, H302; Eye Irrit. 2, H319	
Index number: 603-098-00-9		
CAS: 51981-21-6	L-glutamic acid, N,N-diacetic acid, tetrasodium salt	0.1-<2.5%
	Parfume	<0.1%

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CAS: 7732-18-5
EINECS: 231-791-2

water, distilled, conductivity or of similar purity

50-100%**Additional information:****Specific Concentration Limit:****Lauryl Glucoside (CAS 110615-47-9)****Skin Irrit. 2: C > 30%****Eye Dam. 1: C > 30%****Eye Dam. 1: 12% < C ≤ 30%****SECTION 4: First aid measures****4.1 Description of first aid measures****General information:**

Take affected persons out into the fresh air.

Seek immediate medical advice.

After inhalation: Seek medical treatment in case of complaints.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact:

Rinse opened eye for at least 15 minutes under running water.

Avoid strong water jet-risk of cornea damage, consult a doctor.

After swallowing:

Drink plenty of water and provide fresh air. Call for a doctor immediately.

Seek immediate medical advice.

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.

SECTION 5: Firefighting 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:**

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

Additional information

Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures:**

Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.

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6.3 Methods and material for containment and cleaning up:

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

6.4 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.

SECTION 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:****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:** Keep container tightly sealed.**7.3 Specific end use(s)** No further relevant information available.**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.2 Exposure controls**Personal protective equipment****General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Respiratory protection: Not required.**Protection of hands:****Protective gloves**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

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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:**Tightly sealed goggles****Body protection:****Protective work clothing****SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****General Information****Appearance:**

Form:	Liquid
Colour:	Light yellow
Odour:	Characteristic of the perfume Lemongrass
Odour threshold:	Not determined

pH value:	9,25-10
Melting point/Melting range:	Not determined
Boiling point/Boiling range:	Not determined

Flash point:	98 °C
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Flammability (solid, gaseous):	Not applicable
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Auto-ignition temperature:	Not determined
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Decomposition temperature:	Not determined
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Self-igniting:	Product is not selfigniting.
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Danger of explosion:	Product does not present an explosion hazard.
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Explosion limits:	
Lower:	Not determined
Upper:	Not determined
Oxidising properties	Not considered as oxidising.

Vapour pressure:	Not determined
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Density:	Not determined
Relative density	Not determined

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Vapour density	Not determined
Evaporation rate	Not determined
Solubility in / Miscibility with water:	Fully miscible
Partition coefficient (n-octanol/water): Not determined	
Viscosity:	
Dynamic:	Not determined
Kinematic:	Not determined
9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity**10.1 Reactivity** Stable under normal conditions**10.2 Chemical stability**

Thermal decomposition / conditions to be avoided 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 known.**SECTION 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:

Oral	LD50	7062 mg/kg
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61789-40-0 Cocoamidopropyl Betaine

Oral	LD50	2335 mg/kg (rat)
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Dermal	LD50	>2000 mg/kg (rat)
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Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.**CMR effects (carcinogenity, mutagenity and toxicity for reproduction)****Germ cell mutagenity** Based on available data, the classification criteria are not met.**Carcinogenity** 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.

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

SECTION 12: Ecological information**12.1 Toxicity****Aquatic toxicity:****61789-40-0 Cocoamidopropyl Betaine****Toxicity to Quail** 1.11 mg/kg (Fresh water fish)**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 are 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.**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Recommendation**

Dispose according to National Regulations.



Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Contact manufacturer for recycling information.

Uncleaned packaging:**Recommendation:**

Disposal must be made according to official regulations.

Packaging may be reused or recycled after cleaning.

SECTION 14: Transport information**14.1 UN-Number**

ADR, ADN, IMDG, IATA

Void

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14.2 UN proper shipping name ADR, ADN, IMDG, IATA	Void
14.3 Transport hazard class(es) ADR, ADN, IMDG, IATA Class	Void
14.4 Packing group ADR, IMDG, IATA	Void
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.
UN "Model Regulation":	Void

SECTION 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****Constituents of the mixture that fall within the scope of REACH Regulation 1907/2006/EC, have been (pre)-registered from their suppliers.****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****It doesn't contain substances of very high concern (SVHC).****15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.****SECTION 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.**

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H318 Causes serious eye damage.**H319 Causes serious eye irritation.****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.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

*** Data compared to the previous version altered.**

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