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

1.1 Product identifier

Trade name: EcoBreeze Citrus

Description / Product Code: 9838
Registration number: Substances contained in the mixture have already (pre)-registered by the suppliers.

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: Fabric or Upholstery Refresher

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: 800-451-9304
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:
Aquatic Chronic 3  H412  Harmful to aquatic life with long lasting effects.

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: Void

Signal word: Void

Hazard statements:
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements
P102 Keep out of reach of children.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information: National Poisoning Centre

2.3 Other hazards

Results of PBT and vPvB assessment
PBT: 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:**

<table>
<thead>
<tr>
<th>CAS: 64-17-5</th>
<th>ethanol</th>
<th>Index number: 603-002-00-5</th>
<th>0.1–2.5%</th>
</tr>
</thead>
<tbody>
<tr>
<td>EINECS: 200-578-6</td>
<td>Flam. Liq. 2, H225</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CAS: 68439-51-0</th>
<th>Alcohols, C12-14, ethoxylated propoxylated</th>
<th>0.1–2.5%</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC number: 614-484-1</td>
<td>Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Eye Irrit. 2, H319</td>
<td></td>
</tr>
</tbody>
</table>

**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

**General information:** Take affected persons out into the fresh air.

**After inhalation:**
In case of unconsciousness place patient stably in side position for transportation. Seek medical treatment in case of complaints.

**After skin contact:**
Remove contaminated clothing.
In case of skin irritation, consult a physician.

**After eye contact:** 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.
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.

**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.

6.1.2 For emergency responders Wear protective equipment. Keep unprotected persons away.

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

6.3 Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust, silica gel).
Dispose contaminated material as waste according to item 13.

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: 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.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

64-17-5 ethanol
WEL (Great Britain) | Long-term value: 1920 mg/m³, 1000 ppm

DNELs
Ethanol cas number: 64-17-5
Workers long-term exposure systemic effects via inhalation route: 950 mg/m³
Workers acute/short term exposure local effects: 1900 mg/m³
Workers systemic effects long-term exposure via dermal route: 343 mg/kg bw/day
General Population systemic effects long-term exposure via inhalation route: 114 mg/m³
General Population local effects acute/short term exposure via inhalation route: 950 mg/m³
General Population systemic effects long term exposure via dermal route: 206 mg/kg bw/day
General Population systemic effects long term exposure via oral route: 87 mg/kg bw/day

PNECs
Ethanol cas number: 64-17-5
Freshwater: 0.96 mg/l
Marine water: 0.79 mg/l
Intermittent releases: 2.75 mg/l
STP: 580 mg/l
Trade name: EcoBreeze Citrus

Sediment (freshwater) : 3.6 mg/kg sediment dw
Sediment (marine water) : 2.9
Soil : 0.63 mg/kg soil dw

**DNEL Workers Long term exposure local effects**
Ethanol (CAS 64-17-5)
Inhalation: 1900 mg/m³

**DNEL Workers Long term exposure systemic effects**
Ethanol (CAS 64-17-5)
Inhalation: 950 mg/m³
Skin Contact: 343 mg/kg bw/day

**DNEL consumers Acute/short term exposure Local effects**
Ethanol (CAS 64-17-5)
Inhalation : 950 mg/m³

**DNEL Consumers Long-term exposure systemic effects**
Ethanol (CAS 64-17-5)
Inhalation: 114 mg/m³
Skin Contact: 206 mg/kg bw/day

8.2 Exposure controls

Personal protective equipment

General protective and hygienic measures: Wash hands before breaks and at the end of work.
Respiratory protection: Not required.
Protection of hands:
Not required under normal conditions of use.
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.

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: In processing and repackaging where is possible the eye-contact wear safety glasses.

Body protection: Not required under normal conditions of use.

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*SECTION 9: Physical and chemical properties*

9.1 Information on basic physical and chemical properties

**General Information**

**Appearance:**
Form: Liquid
**Trade name:** EcoBreeze Citrus

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour:</td>
<td>Whitish</td>
</tr>
<tr>
<td>Odour</td>
<td>Characteristic of the perfume Citrus</td>
</tr>
<tr>
<td>Odour threshold:</td>
<td>Not determined</td>
</tr>
<tr>
<td>pH value:</td>
<td>7-9</td>
</tr>
<tr>
<td>Melting point/Melting range:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Boiling point/Boiling range:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Flash point:</td>
<td>Not Flammable</td>
</tr>
<tr>
<td>Flammability (solid, gaseous):</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Auto-ignition temperature:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Decomposition temperature:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Self-igniting:</td>
<td>Product is not selfigniting.</td>
</tr>
<tr>
<td>Danger of explosion:</td>
<td>Product does not present an explosion hazard.</td>
</tr>
<tr>
<td>Explosion limits:</td>
<td></td>
</tr>
<tr>
<td>Lower:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Upper:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Oxidising properties:</td>
<td>Not considered as oxidising.</td>
</tr>
<tr>
<td>Vapour pressure:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Density:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Relative density:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Vapour density:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Evaporation rate:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Solubility in / Miscibility with water:</td>
<td>Fully miscible</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water):</td>
<td>Not determined</td>
</tr>
<tr>
<td>Viscosity:</td>
<td></td>
</tr>
<tr>
<td>Dynamic:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Kinematic:</td>
<td>Not determined</td>
</tr>
<tr>
<td>9.2 Other information</td>
<td>No further relevant information available.</td>
</tr>
</tbody>
</table>

**SECTION 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  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:

<table>
<thead>
<tr>
<th></th>
<th>LD50</th>
<th>LC50/4 h (vapour)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td></td>
<td>7060 mg/kg (rat)</td>
</tr>
<tr>
<td>Inhalative</td>
<td></td>
<td>20000 mg/l (rat)</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation

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

Serious eye damage/irritation

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

Respiratory or skin sensitisation

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

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

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.

LD/LC50 values relevant for classification:

64-17-5 ethanol

12.1 Toxicity

Aquatic toxicity:

Ethanol, cas: 64-17-5

Fish toxicity LC50: > 10000 mg / l

Daphnia toxicity, CEE0: > 7800 mg / l

Bacterial toxicity (Ps putida) CEE0: > 6500 mg / l

Algal toxicity (SC. Quadricauda), CEE0: > 5000 mg / l

Algal toxicity (M. Acruginosa), CEE0: > 1450 mg / l

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.

Ecotoxicological effects:

Remark: Harmful to fish

Additional ecological information:

General notes:

The product contains materials that are harmful to the environment.

Harmful to aquatic organisms

(Contd. on page 7)
Trade name: EcoBreeze Citrus

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

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:
Marine pollutant: No

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

Printing date 28.07.2016 Version number 1 Revision: 09.11.2015

**Trade name:** EcoBreeze Citrus

**UN "Model Regulation":** Void

**SECTION 15: Regulatory information**

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
REACH Regulation 1907/2006/EC
Regulation (EU) 2015/830
CLP Regulation 1272/2008/EC
Constituents of the mixture that fall within the scope of REACH Regulation 1907/2006/EC, have been (pre)-registered.
Directive 98/24/EC on the protection of health and safety of workers from the risks related to chemicals agents at work.
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 ammended

**Directive 2012/18/EU**

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

**REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

**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**
H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H400 Very toxic to aquatic life.
H410 Very toxic 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.
**Trade name:** EcoBreeze Citrus

---

**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)
- **DNEL:** Derived No-Effect Level (REACH)
- **PNEC:** Predicted No-Effect Concentration (REACH)
- **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
- **Flam. Liq. 2:** Flammable liquids – Category 2
- **Eye Irrit. 2:** Serious eye damage/eye irritation – Category 2
- **Aquatic Acute 1:** Hazardous to the aquatic environment - acute aquatic hazard – Category 1
- **Aquatic Chronic 1:** Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
- **Aquatic Chronic 3:** Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

* Data compared to the previous version altered.